DIFFERENTIAL

1940

Case School of Applied Science

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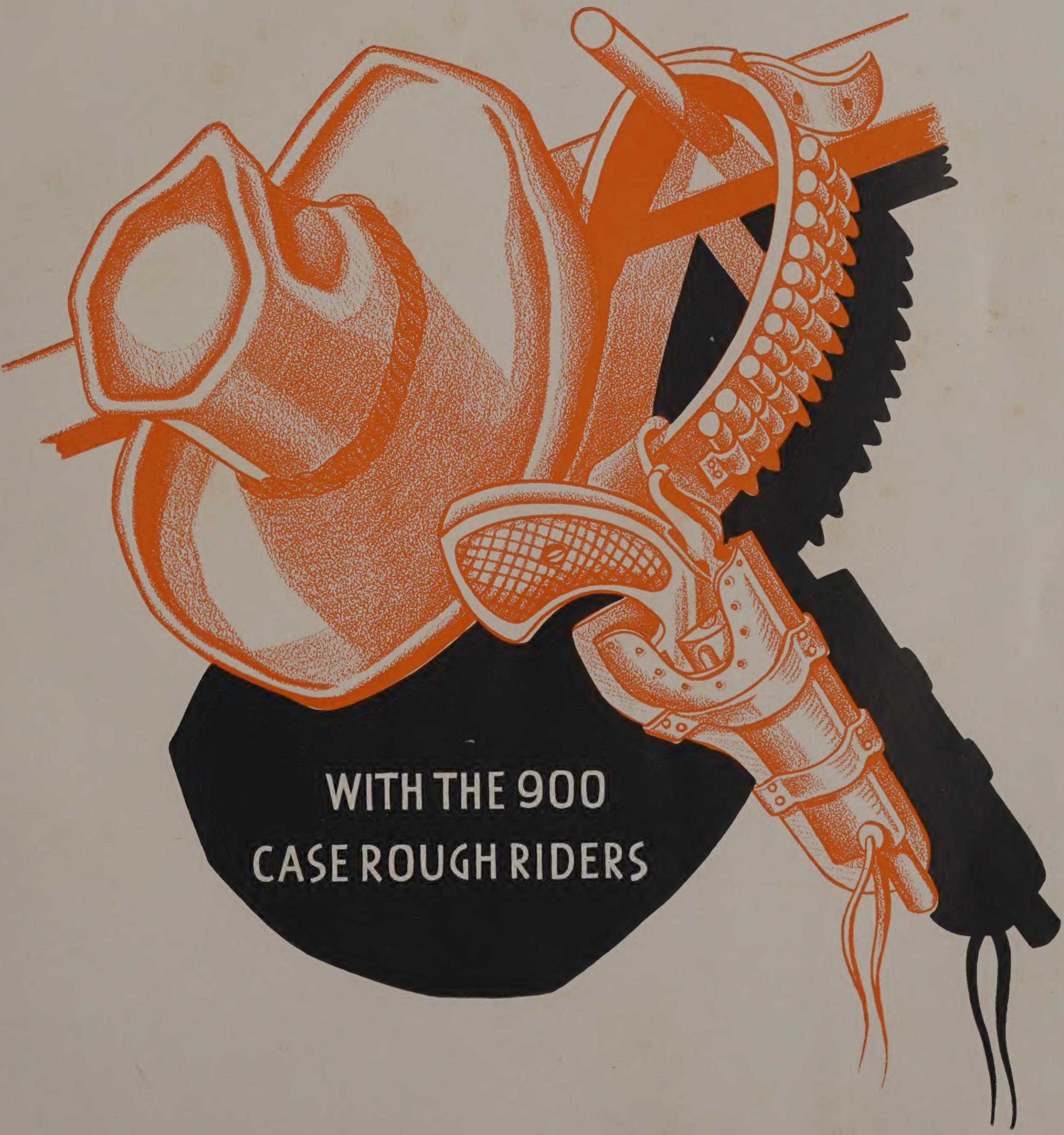
The 1940 Differential

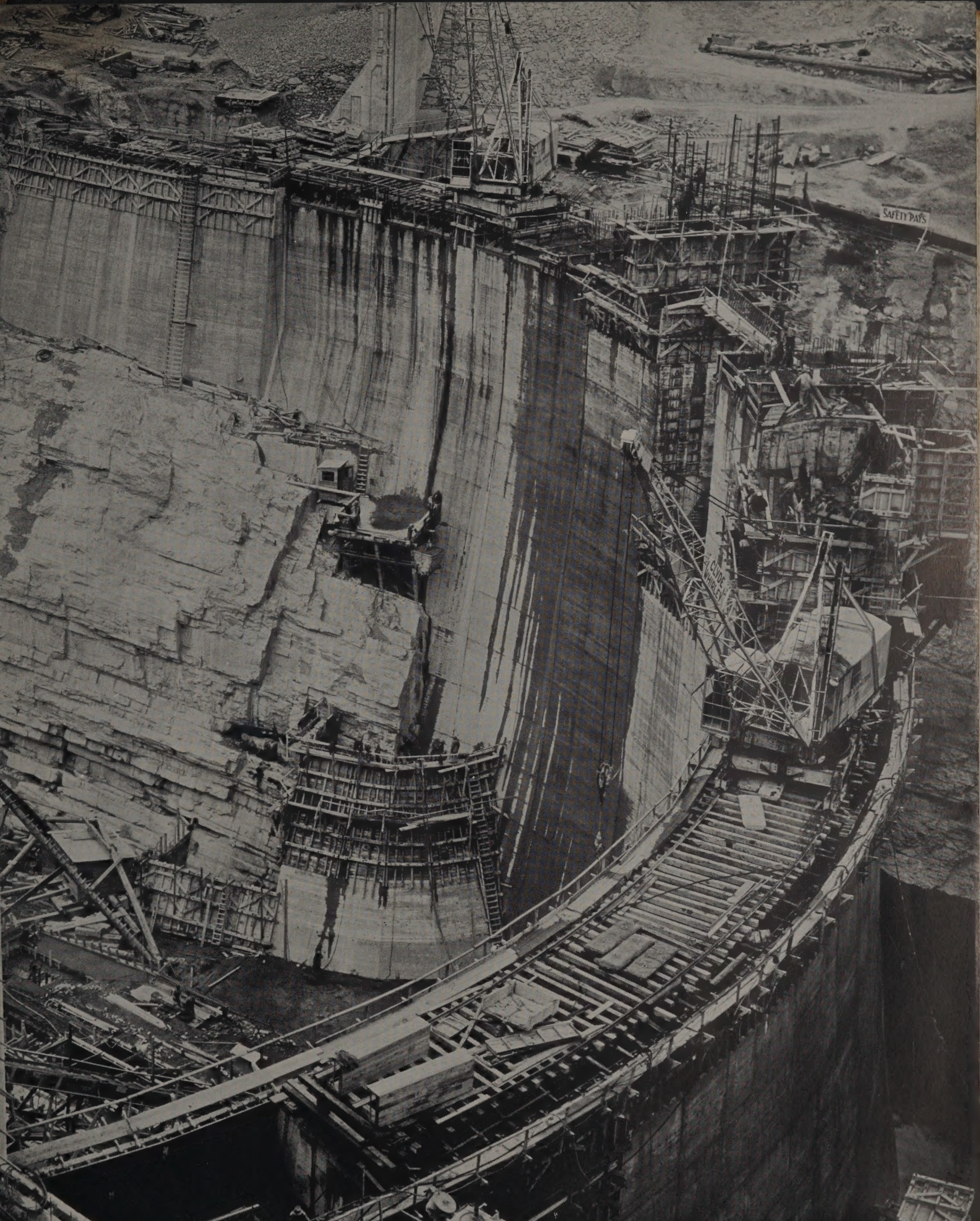
Published by the Junior Class of
Case School of Applied Science
May 1939

HANG UP YOUR HAT



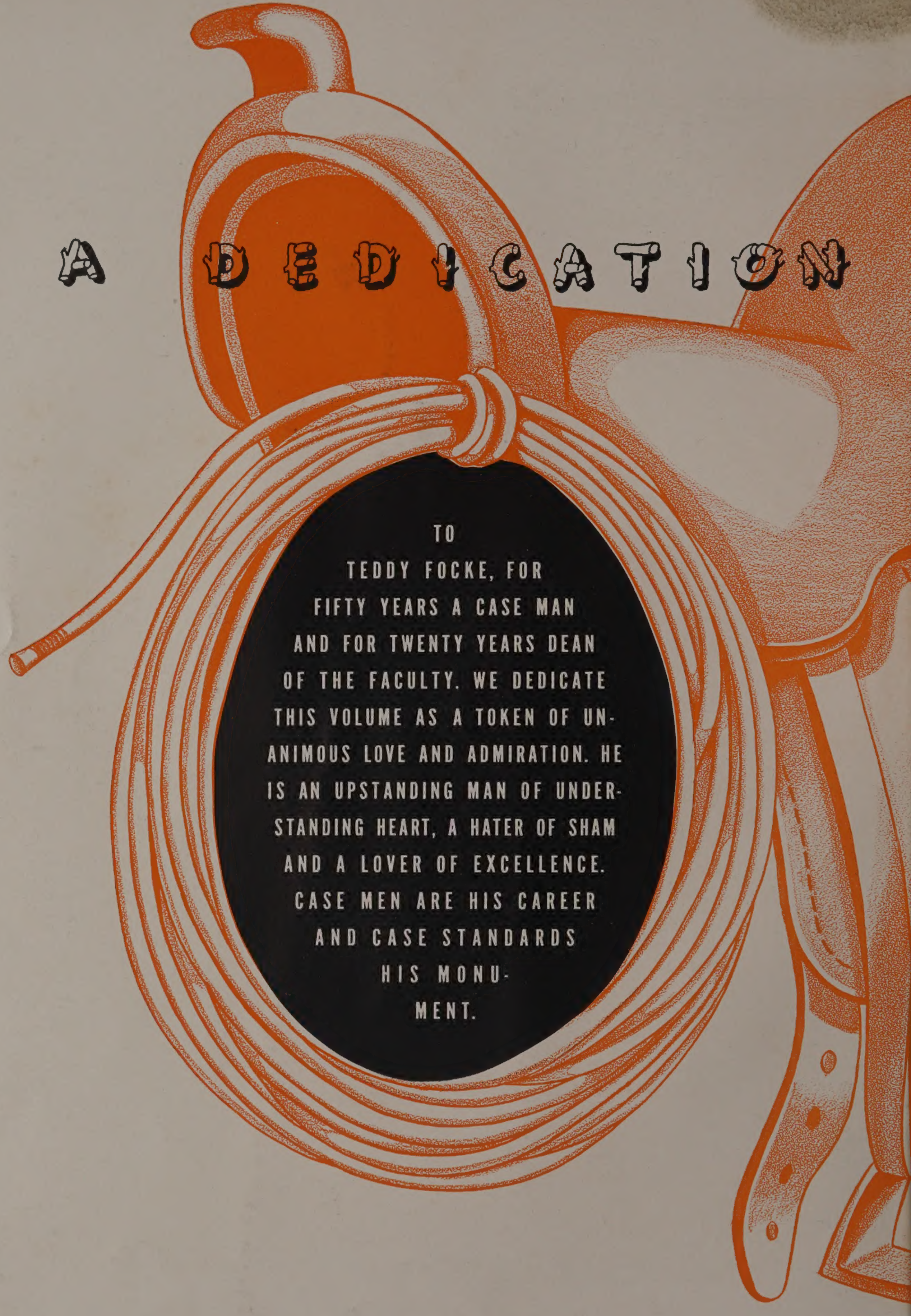
WITH THE 900
CASE ROUGH RIDERS

The Rough Rider


SAFETY PAYS
CLYDE WHIRLEY

And His Work

A DEDICATION



TO

TEDDY FOCKE, FOR FIFTY YEARS A CASE MAN AND FOR TWENTY YEARS DEAN OF THE FACULTY. WE DEDICATE THIS VOLUME AS A TOKEN OF UNANIMOUS LOVE AND ADMIRATION. HE IS AN UPSTANDING MAN OF UNDERSTANDING HEART, A HATER OF SHAM AND A LOVER OF EXCELLENCE. CASE MEN ARE HIS CAREER AND CASE STANDARDS HIS MONUMENT.

ESTER REED WARNER
LABORATORY
ECHANICS HYDRAULICS
FROM BORDER

. . . . . on the Case range wi

branded, broken, trained, and c

Rough Riders as they are
ned for service in industry

FACULTY A

ND CLASSES

PREXY

Doctor William Elgin Wickenden, "Prexy" to the undergraduates and alumni, is one of the most active men about Case. It is through him, to a large extent, that Case School is known everywhere, for he has contacts in all branches of science and industry throughout the country and is widely known and respected for his initiative, for his versatility, and for his broad interests. It is not uncommon to read that "Prexy" has dedicated a new bridge or was principal speaker at a commencement or public affair. His big interest at the present time is expanding and rebuilding Case. We look on the new chemistry building as the first of a series of new buildings to be erected under his leadership. "Prexy" has long since established for himself a place in the hearts of all Case men. With his quick wit and his ever present smile he urges them on to their best efforts. He is truly recognized as a man ideally suited to hold the position of college president.

DEAN

Dr. Theodore Moses Focke, '92, has been closely associated with Case School for the past fifty years and at the present time holds the distinctive position of being both the head of the mathematics department and Dean of the Faculty. Having been the only Dean, he has seen Case develop from an enrollment of about forty students and six instructors to its present enrollment of over nine hundred students and a faculty of one hundred and twenty-nine. He has been a vital factor in the steady growth of Case and may appropriately be called our scholastic doctor, for he tries to diagnose and cure the ills of those having difficulty with their work. It is the Dean's responsibility, also, to schedule classes and examinations and to correlate the work of the several departments. During his years at Case, Dean Focke has endeared himself to all Case men; alumni consider their memories of him the most treasured of those concerning their college days.

ASSISTANT DEAN

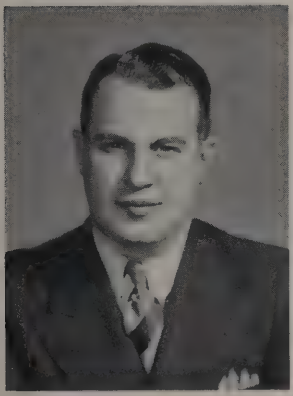
Lawrence Wilson Mills joined the Case faculty in 1929 as a member of the department of history, having received his degree of Master of Arts at Kenyon College. At present he is Assistant Dean.

His varied duties necessitate his doing a great deal of traveling. He visits high schools to interview men whose aims lie in the field of engineering, considers their qualifications, offers them constructive criticism, and gives them an insight into the profession which they are considering. "Larry" is particularly suited for this type of work. Prospective students admire him, and respect all that he represents. The marked increase in enrollment during the last few years indicates the quality of his work.

Ever a busy man, but never too busy to offer advice; sympathetic but firm; scholarly, yet retaining his common touch; this is the Assistant Dean, Larry Mills.

As publicity and placement representative, Mr. J. J. Moore's job is to see that all Case functions are properly and well publicized. In the capacity of placement representative he contacts industrial institutions to inform personnel managers about the type of man Case is graduating, and arranges interviews for the seniors with company representatives. Mr. Moore, in conjunction with Professor Young, assists in the management of the Case News Service which posts all newspaper clippings pertaining to Case and keeps the undergraduates and their home town newspapers informed of Case activities. Although he has held his positions for a relatively short time, Mr. Moore has already proved to be a valuable asset both to the school and to the undergraduates.

J. J. MOORE



C. F. CHAPMAN

Charles Frederick Chapman, affectionately known as "Chappie", plays an important role in the activities of the college, and has been a deciding factor in many changes brought about at Case.

After becoming Alumni Secretary in 1929, a few months after his graduation from Ohio Wesleyan, he began a series of notable accomplishments which, as one looks back through the years, assume larger and larger significance.

Chappie performs his most notable work as Alumni Secretary, maintaining contact with Case Alumni all over the country, and as editor of the **Case Alumnus,** which has received awards for excellence from the American Alumni Council for seven years running. He is also responsible for instigating the Van Horn scholarships.

A busy man, he is never too busy to aid those who come to his office in search of counsel.

In the small room near the side door of the administration building is the office of the cashier. It is through this office that much of the financial business of the school is transacted, for the official cashier has charge of almost all collections made in the school, of issuing statements to the various departments, and of placing all orders for goods.

Less mercenary, however, and of more interest to the student is the personality who bears the title of official cashier, Mr. Robert L. Wilkes. Mr. Wilkes is comparatively new at Case, his duties here having begun only two years ago.

Before coming to Case, Mr. Wilkes was employed by the General Electric and Cleveland Trust Companies. He is a member of Delta Sigma Pi, a professional business organization.

R. L. WILKES

T. M. FOCKE
Dean of the Faculty
Kerr Professor of
Mathematics

D. C. MILLER
Ambrose Swasey Professor
of Physics

C. F. PRUTTON
Professor in Charge of
Chemical Engineering

K. H. DONALDSON
Professor of Mineral
Industry

R. H. DANFORTH
Professor of Mechanics
and Materials

C. E. BARNES
Professor in Charge of
Civil Engineering

R. L. BARRETT

Instructor in Geology and Mineralogy

C. W. COPPERSMITH

Associate Professor of Engineering Drawing

R. A. RIDE

Associate Professor of Physical Education, Director of Intercollegiate Athletics

Focke, Miller, Prutton
Barrett, Coppersmith

K. O. THOMPSON

Professor of English
Librarian and
Secretary of the Faculty

Ride, Thompson, Carlton
Dates, Vose

F. T. CARLTON

Professor of Economics

Donaldson, Danforth, Barnes
Eddy, Nassau

H. B. DATES

Professor of Electrical Engineering

C. L. EDDY

Professor of Engineering Administration

J. J. NASSAU

Professor of Astronomy
Director of the Observatory

F. H. VOSE

Professor in Charge of Mechanical Engineering

CASE F

WILLIAM ENGLIN WICKENDEN,
D.Eng., D.Sc., LL.D., L.H.D.,
President

THEODORE MOSES FOCKE, Ph.D.,
Dean of the Faculty
Kerr Professor of Mathematics

DAYTON CLARENCE MILLER,
D.Sc., D.Eng., LL.D.,
Ambrose Swasey Professor of Physics

HENRY BALDWIN DATES, E.E.,
Professor of Electrical Engineering

GEORGE HENRY JOHNSON, B.A.,
Professor Emeritus of History and Economics

FRED HALE VOSE, M.E.,
Professor of Mechanical Engineering

RAYMOND HEWES DANFORTH, M.E.,
Professor of Mechanics and Materials

CLARENCE LEROY EDDY, C.E.
Professor of Engineering Administration

KARL OWEN THOMPSON, M.A.
Professor of English
Librarian and Secretary of the Faculty

FRANK TRACY CARLTON, Ph.D., LL.D.,
Professor of Economics

CHARLES FRANK THOMAS, M.S.,
Professor of Mathematics

JASON JOHN NASSAU, Ph.D.,
Professor of Astronomy
Director of the Observatory

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Professor of Hydraulic and Sanitary Engineering

CARL FREDERICK PRUTTON, Ph.D.,
Professor of Chemical Engineering

GEORGE LEWIS TUVE, M.E.,
Professor of Heat Power Engineering

KENNETH HUME DONALDSON, E.M.,
Professor of Mineral Industry

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Associate Professor of Engineering Drawing

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Associate Professor of Physics

CHRISTIAN NUSBAUM, Ph.D.,
Associate Professor of Physics

MAX MORRIS, Ph.D.,
Associate Professor of Mathematics

ROBERT CLEVELAND HUMMELL, Ph.D.,
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Associate Professor Emeritus of Modern Languages

HARRY DeWARD CHURCHILL, C.E.,
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Director of Intercollegiate Athletics

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Professorial Lecturer in Metallurgy

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Assistant Professor of History

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Assistant Professor of Aerodynamics

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Assistant Professor of Organic Chemistry

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Director of the Gymnasium

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Assistant Professor of Mathematics and Astronomy

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Assistant Professor of English

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Assistant Professor of Physics

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Instructor in Physical Education

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Instructor in Chemistry

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Instructor in Mechanical Engineering

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Instructor in Chemical Engineering

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Instructor in Chemical Engineering

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Instructor in Foreign Languages

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Instructor in Mathematics

WILLIAM von FISCHER, Ph.D.,
Instructor in Chemistry

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Instructor in Mechanical Engineering

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JOHN RANDOLPH PIERCE, B.S.,
Instructor in Metal Processing

GERALD SUMMERS QUINN, M.E.,
Instructor in Engineering Drawing

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Instructor in Mathematics

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Instructor in Metallurgical Engineering

ROBERT CHARLES McMASTER, M.S.,
Instructor in Electrical Engineering

FREDERICK LOVETT TAFT, A.B.,
Instructor in English

STERLING LANIER, S.B.,
Instructor in English

DENTON THOMAS DOLL, B.S.,
Instructor in Metallurgy

FRED EASLY SHEIBLEY, M.S.,*
Instructor in Chemical Engineering

CARL LESLIE BENNETT,
Instructor in Machine Work

GEORGE F. STRICKLING, M.A.,
Musical Director

HAROLD VAN YORX CALDWELL, B.A.,
Associate in English

IRENE LEVIS, Ph.D.,
Associate in Analytical Chemistry

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Assistant in Physical Education

HENRY FERDINAND BETZ, B.S.,
Assistant in Chemical Engineering

CHARLES FREDERICK BURROWS, B.S.,
Assistant in Metallurgical Engineering

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Assistant in Chemical Engineering

WILLIAM BROOKS CHAMPNEY, B.S.,
Assistant in Chemical Engineering

ALVIN GAINES COOK, B.S.,
Assistant in Metallurgical Engineering

JOHN FREDERICK ELLIOTT, B.S.,
Assistant in Mechanics and Materials

WALTER HENRY HAAS, B.S.,
Assistant in Astronomy

ERNEST RICHARD HABERLAND, B.S.,
Assistant in Electrical Engineering

ROBERT DARROW HEIDENREICH, B.S.,
Assistant in Physics

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Assistant in Mechanical Engineering

PAUL VICTOR KUNZ, B.S.,
Assistant in Chemical Engineering

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Assistant in Physical Education

HERBERT WALDEMAR LENSNER, B.S.,
Assistant in Electrical Engineering

WILLIAM HARRY McCLARRAN, B.S.,
Assistant in Civil Engineering

BOYCE DAWKINS McDANIEL, B.A.,
Assistant in Physics

ROBERT WILLIAM McLANE, B.S.,
Assistant in Engineering Administration

GEORGE PETER MILLER, B.S.,
Assistant in Mechanical Engineering

ANTHONY RICHARD SATULLO, B.S.,
Assistant in Electrical Engineering

PAUL ROBERT SCHULTZ, JR., B.S.,
Assistant in Chemical Engineering

ALBERT HENRY SPEHEK, B.S.,
Assistant in Mechanics and Materials

JOSEPH WILLIAM SPRETNAK, B.S.,
Assistant in Metallurgical Engineering

ERNEST STEPHEN THEISS, B.S.,
Assistant in Mechanical Engineering

RICHARD RAYMOND THOMPSON, B.S.,
Assistant in Chemical Engineering

WILLIAM AFFLECK WOLFE, B.A.,
Assistant in Mechanics and Materials

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* On half-time appointment 1938-39.

CASE GRADU

First row—Schultz, Thompson, Betz, Wiese, Denton, Fromson, Miller
Second row—Theiss, Metzger, Sheibley, Beears, McLane, Campbell, Zapf
Third row—Lensner, Herwald, Champney, Thomas

Two years ago the Case Graduate Society was founded when Dr. J. J. Nassau invited all graduate students to participate in a meeting to determine the possibilities of a combined social and educational organization for graduate students. Since their first meeting on October 7, 1936, this organization has grown, until now, it merits a position in the Case Differential.

These graduate men feel that by holding regular meetings much can be accomplished in furthering the social and scientific contacts with men of prominence in industry. Outstanding industrialists, historians, scientists, and psychologists have spoken at various meetings of the organization and have greatly enhanced the knowledge of the Case graduates.

Mr. E. S. Theiss, as president, Mr. P. V. Kunz, as secretary and treasurer, and Dr. J. J. Nassau, as faculty advisor, carried out an unusual and well-scheduled program for the society this year. The activities began with a very successful steak roast in October, attended by a good majority of the society members. Then followed a meeting at which Dr. Foster of Western Reserve University lectured and showed movies of England. In November, Dr. Nassau and Dr. Weske presented a very unusual and interesting lecture on educational methods in England and Germany. The evening of February 23, saw all the members enjoying a bit of drama at the Play House. The climax of an eventful year of social and educational activities was a spring party at the Mentor Harbor Yacht Club.

The Case Graduate Society is heartily welcomed to the campus. It has proved itself to be one of distinction both socially and scientifically. The undergraduate students' congratulations and best wishes accompany their hope that it may become a permanent influence upon advanced engineering and increased Alumni interest at Case.

TE SOCIETY

BEEARS, WARREN L.
B.S., Case

BENKOE, CORNELIUS
B.S., Case

BETZ, HENRY F.
B.S., Case

BRONSTEIN, HARRY R.
A.B., Western Reserve U.

BURROWS, CHARLES F.
B.S., Case

CAMPBELL, WILLIAM M.
B.A.Sc., U. of Toronto

CHAMPNEY, WILLIAM B.
B.S., Case

COOK, ALVIN G.
B.S., N. Mexico School of Mines

COOPER, MARION D.
B.S., E.E., U. of Wisconsin

COTABISH, HARRY N.
B.S., Case

CULBERTSON, WILLIAM W.
B.S., Mo. School of Mines

DENTON, WILLIAM I.
B.S., Case

FROMSON, ROBERT E.
B.S., Case

GRAHAM, JOHN J.
B.S., Case

GREEN, HAROLD D.
M.D., Western Reserve U.

HAAS, WALTER H.
B.S., Mt. Union College

HABERLAND, ERNEST R.
B.S., Case

HART, TOBIAS V.
M.S., B.S., Iowa State U.

KUNZ, PAUL V.
B.S., Case

LENSNER, HERBERT W.
B.S., Case

McCLARRAN, WILLIAM H.
B.S., Case

McDANIEL, BOYCE D.
B.A., Ohio Wesleyan U.

McLANE, ROBERT W.
B.S., Case

METZGER, GEORGE P.
B.S., Case

MILLER, GEORGE P.
B.S., Case

MOORE, JOSEPH J.
B.S., Case

QUINN, GERALD S.
M.E., U. of Akron

SATULLO, ANTHONY R.
B.S., Case

SCHAFER, VERNON E., JR.
B.S., E.E., U. of Michigan

SCHUETTE, WILLIAM H.
B.S., Case

SCHULTZ, PAUL R., JR.
B.S., Armour Tech.

SHEIBLEY, FRED E.
M.S., U. of Pennsylvania

STEARNS, HOYT A.
B.S., Yale

STEINMETZ, VICTOR A.
B.S., M.S., Case

THEISS, ERNEST S.
B.S., Case

THOMPSON, RICHARD R.
B.S., Syracuse U.

WIESE, HERBERT F.
B.S., Case

WOLFE, WILLIAM A.
B.S., U. of British Col.

ZAPF, KENYON L.
B.S., U. of Florida, Case

ZORN, FRITZ M.
B.S., Case

CASE SENIORS - 1939

C. A. CARLSON
Senior Class President

With an intermingled feeling of joy and sorrow, we, the class of 1939, have reached the end of the trail. Hard work, good wholesome fun, and a very deep comprehension of Case spirit throughout the years have contributed greatly in molding men and engineers. Some of our fond hopes have been realized; others never materialized and were forgotten or replaced by greater hopes and conceptions of the future. Many of those who ventured to weather the stormy trail with us four years ago got lost in the gale or wandered off the course. Those who survived the "wiles" of the "profs" and the "pitfalls" of education have emerged the better for them and are ready to play the next hand in this game of life. Sadly our memories turn back to the freshman year with its bag rush, first football game, and surveying camp. Laughingly, we recall the time when we first realized that college was no snap as we had anticipated it to be. Save for an occasional disheartening examination failure, the sophomore and the junior years slipped pleasantly and quickly by, leaving only beautiful reminiscences. From timid freshmen we were promoted to confident juniors. The senior year—then we were the "bigshots" of the campus that we had timidly trodden three years previously. All these thoughts and memories are dear to us and will long be remembered and cherished. So, with a lump in our throats, we part from those stern walls and long halls which will ever leave impressed upon us the beauty of the four years of comradeship and education. We depart with a knowledge that ours was a class of honor, merit, and distinction.

F. R. ALLIN
Mechanical
Football.

S. ANGART
Metallurgical
Pick & Shovel Club, A. S. M.

M. F. BACKLUND
Chemical
Sigma Alpha Epsilon, A.I.Ch.E., Football, Tech.

G. J. BASL
Chemical
Phi Kappa Tau, A. I. Ch. E., Freshman Football, Photography Club.

D. G. BEEARS
Electrical
A. I. E. E., Case Campus Club.

H. C. BENDEL
Chemical
Pres. A. I. Ch. E., Alpha Chi Sigma.

F. R. Allin	S. Angart	M. F. Backlund
G. J. Basl	D. G. Beears	H. C. Bendel
H. D. Bennett	W. M. Bennett	J. I. Bettcher

H. D. BENNETT
Electrical
Sigma Nu, A. I. E. E., Wrestling, Fencing, Track, Football, Basketball, Tech, Aero Club.

W. M. BENNETT
Mechanical
A. S. M. E., Case Campus Club.

J. I. BETTCHER
Chemical
A. I. Ch. E., Photography Club, Case Campus Club.

First Column—R. C. Bigelow, J. M. Black, K. A. Blaha, R. R. Bosworth, E. C. Brohl.

Second Column—J. W. Burke, J. F. Cachat, D. W. Caldwell, N. S. Carlsen, C. A. Carlson, J. W. Carpenter.

Third Column—J. F. Cerness, R. J. Cerny, R. B. Clapper, J. C. Conrad, L. B. Courtot, C. M. Cowles.

Fourth Column—C. L. Crawford, W A. Crawford.

Fifth Column—G. J. Cummings, J. A. Defries, R. G. Denton, W. R. Devor.

Sixth Column—E. V. Dowden, R. C. Dudek, J. E. Duff, C. M. Dunn.

R. C. BIGELOW
Chemical
Zeta Psi, A. I. Ch. E., Glee Club, Tech, Tennis.

J. M. BLACK
Mechanical
Beta Theta Pi, Glee Club.

K. A. BLAHA
Civil
Beta Theta Pi, A. S. C. E., A. R. B. A., Circulation Mgr. Tech.

R. R. BOSWORTH
Mechanical
Treas. A. S. M. E., Tau Beta Pi, Theta Tau.

E. C. BROHL
Mechanical
Sigma Nu, A. S. M. E., Blue Key, Glee Club, Track, Cross Country, Wrestling, Alumnus, Chairman Junior Prom, Pres. Senate, Pres. Board of Managers, Student Who's Who.

J. W. BURKE
Mechanical
Case Campus Club, A. S. M. E., News Service, Aero Club.

J. F. CACHAT
Electrical
Theta Psi Kappa, Football.

D. W. CALDWELL
Electrical
Phi Pi Phi, A. I. E. E., Freshman Track.

N. S. CARLSEN
Metallurgical
A. I. M. E., A. S. M., Freshman Football, Swimming, Pick & Shovel Club, Tech Bus. Staff, Case Campus Club.

C. A. CARLSON
Civil
Sec. A. S. C. E., A. R. B. A., Pres. Tau Beta Pi, Vice Pres. Theta Tau, Blue Key, Football, Wrestling, Case Campus Club, Senate, Soph. and Sr. Class Pres., Open House Student Chairman, Les Bale Award, Student Who's Who.

J. W. CARPENTER
Mechanical
Theta Psi Kappa, Track, Football.

J. F. CERNESS
Metallurgical
Pick & Shovel Club.

R. J. CERNY
Mechanical
Theta Psi Kappa, A. S. M. E., Band, Orchestra, Aero Club.

R. B. CLAPPER
Mechanical
Phi Delta Theta, A. S. M. E., Football, Swimming.

J. C. CONRAD
Chemical
Phi Kappa Psi, Fencing, Glee Club, Sec. Alpha Chi Sigma, Tech.

L. B. COURTOT
Mechanical
Theta Psi Kappa, A. S. M. E., Track, Tech, Photography Club.

C. M. COWLES
Civil
Tennis.

C. L. CRAWFORD
Chemical
A. I. Ch. E., Case Campus Club.

W. A. CRAWFORD
Mechanical
Phi Kappa Psi, Theta Tau, A. S. M. E., Tau Beta Pi, Pres. Blue Key, Glee Club, Swimming, Tennis, Senate, Differential, Athletic Ass'n.

G. J. CUMMINGS
Mechanical
A. S. M. E., Glee Club.

J. A. DEFRIES
Metallurgical
Zeta Psi, Pick & Shovel Club.

R. G. DENTON
Mechanical
Tau Beta Pi, Football, Wrestling.

W. R. DEVOR
Chemical
A. I. Ch. E.

E. V. DOWDEN
Mechanical
Phi Delta Theta, A. S. M. E., A. S. M., Sec. Blue Key, Glee Club, Track, Differential, Athletic Ass'n, Manager News Service, Board of Publications, Honor Key.

R. C. DUDEK
Electrical
A. I. E. E.

J. E. DUFF
Electrical
Sigma Alpha Epsilon, Math Club, A. I. E. E., Glider Club.

C. M. DUNN
Chemical
Zeta Psi, Tech, Differential, Fencing.

First Column—G. Elliott, R. L. Elliott, R. H. Farr, R. G. Fettu, V. Fiordalis.

Second Column—C. V. Franks, H. A. Friedman, S. J. Friedman, C. S. Fuller, H. R. Funk, L. B. Ganger.

Third Column—J. H. Gehrung, E. W. Giloy, V. Gordon, J. M. Gottehrer, P. H. Graef, P. R. Gravenstreter.

Fourth Column—L. F. Green, F. R. Hansen.

Fifth Column—J. Happy, C. M. Harding, H. W. Harlow, E. W. Harrington.

Sixth Column—L. O. Hartzell, A. W. Haynam, F. A. Heddleson, H. W. Hemker.

G. ELLIOTT
Electrical
Orchestra, Band, Eta Kappa Nu.

R. L. ELLIOTT
Metallurgical
Zeta Psi, Glee Club, A. I. M. E., A. S. M., Pick & Shovel Club, Athletic Ass'n.

R. H. FARR
Metallurgical
Zeta Psi, Glee Club, Freshman Football, Wrestling, Pick & Shovel Club, A. I. M. E., A. S. M.

R. G. FETTU
Metallurgical
A. S. M., Pick & Shovel Club, Freshman Football, Basketball, Case Campus Club.

V. FIORDALIS
Metallurgical
Phi Delta Theta, A. S. M., A. I. M. E., Pick & Shovel Club, Blue Key, Glee Club, Hockey, Football, Wrestling.

C. V. FRANKS
Physics
Fencing, Case Campus Club, Lambda Club, Math Club, American Physical Soc.

H. A. FRIEDMAN
Chemical
Pi Sigma Phi, A. I. Ch. E., Alpha Chi Sigma, Tau Beta Pi, Debate Club, Differential, Math Club, Interfraternity Council.

S. J. FRIEDMAN
Chemical
Phi Kappa Tau, A. I. Ch. E., Alpha Chi Sigma, Debate Club, Gamma Phi, Tau Beta Pi.

C. S. FULLER
Chemical
Phi Kappa Tau, A. I. Ch. E., Glee Club, Interfraternity Council.

H. R. FUNK
Electrical
Beta Theta Pi, A. I. E. E.

L. B. GANGER
Mechanical
Pi Sigma Phi, A. S. M. E., Tau Beta Pi, Glee Club, Tennis, Track, Differential, Athletic Ass'n.

J. H. GEHRUNG
Electrical
Phi Kappa Tau, A. I. E. E., Math Club.

E. W. GILOY
Electrical
Beta Kappa, A. I. E. E., Glee Club, Freshman Football, Basketball Manager, Interfraternity Council, Eta Kappa Nu.

V. GORDON
Chemical
A. I. Ch. E.

J. M. GOTTEHRER
Chemical
Pi Sigma Phi, A. I. Ch. E., Differential.

P. H. GRAEF
Metallurgical
Zeta Psi, Pick & Shovel Club, A. S. M., Track, Manager, Interfraternity Council, Tech.

P. R. GRAVENSTRETER
Electrical
A. I. E. E.

L. F. GREEN
Civil
A. S. C. E., A. R. B. A., Tau Beta Pi, Cross Country, Case Campus Club.

F. R. HANSEN
Chemical
Case Campus Club, A. I. Ch. E.

J. HAPPY
Electrical
A. I. E. E., Math Club, Eta Kappa Nu.

C. M. HARDING
Electrical
A. I. E. E., Math Club, Eta Kappa Nu.

H. W. HARLOW
Chemical
Phi Pi Phi, A. I. Ch. E., Band Mgr., Orchestra.

E. W. HARRINGTON
Chemical
Zeta Psi, Alpha Chi Sigma, Swimming.

L. O. HARTZELL
Chemical
Sigma Nu, A. I. Ch. E., Alpha Chi Sigma, Glee Club, Wrestling, Tech.

A. W. HAYNAM
Mechanical
Phi Delta Theta, Theta Tau, A. S. M. E., Blue Key, Football Mgr., Basketball, Honor Key.

F. A. HEDDLESON
Mechanical
Beta Kappa, A. S. M. E., Glider Club, Photography Club.

H. W. HEMKER
Chemical
Swimming.

First Column—H. J. Hendricksen, W. J. Hewett, W. A. Hickox, R. I Hildebran, J. C. Hildreth.

Second Column—R. E. Hitz, E. P. Horn, J. J. Hunt, B. A. Jackson, F. W. Jacobs, H. R. Jamieson.

Third Column—L. A. Jimenez, T. C. Johnson, R. C. Juvinall, J. J. Kaminskas, R. G. Keller, G. E. Klein.

Fourth Column—R. D. Kline, L. J. Kohn.

Fifth Column—F. W. Kopf, J. I Lacey, E. J. Lally, R. E. Lally.

Sixth Column—J. P. Long, F. B. Loretta, J. D. Lubahn, R. A. Lucht.

H. J. HENDRICKSEN
Mechanical
Beta Theta Pi, A. S. M. E., Freshman Swimming, Tech, Interfraternity Council.

W. J. HEWETT
Mechanical
Phi Delta Theta, A. S. M. E., Swimming, Pres. Interfraternity Council.

W. A. HICKOX
Physics
Lambda Club, Math Club, Aero Club.

R. L. HILDEBRAN
Mechanical
A. S. M. E., Case Campus Club.

J. C. HILDRETH
Mechanical
Phi Kappa Psi, A. S. M. E., Tau Beta Pi, Theta Tau, Blue Key, Honor Key, Freshman Football, Swimming, Track, Hockey, Editor Differential, Board of Publications, Sr. Adviser Differential.

R. E. HITZ
Mechanical
A. S. M. E., Band.

E. P. HORN
Mechanical
Track.

J. J. HUNT
Civil
Phi Delta Theta, A. S. C. E., A. R. B. A., Blue Key, Track, Cross Country, Freshman Basketball.

B. A. JACKSON
Civil
A. S. C. E., A. R. B. A., Case Campus Club.

F. W. JACOBS
Metallurgical
Phi Kappa Tau, A. I. M. E., A. S. M., Pick & Shovel Club, Swimming Manager.

H. R. JAMIESON
Mechanical
A. S. M. E., Blue Key, Wrestling, Senate, Board of Managers, Tech, Case Campus Club, Track, Student Who's Who.

L. A. JIMENEZ
Electrical
Case Campus Club, A. I. E. E., Wrestling, Freshman Football.

T. C. JOHNSON
Mechanical
Phi Kappa Psi, A. S. M. E., Wrestling, Track, Tech.

R. C. JUVINALL
Mechanical
A. S. M. E., Tau Beta Pi, Eta Kappa Nu, Case Campus Club.

J. J. KAMINSKAS
Mechanical
A. S. M. E., Wrestling, Case Campus Club.

R. G. KELLER
Mechanical
A. S. M. E., Case Campus Club.

G. E. KLEIN
Physics
Pi Sigma Phi, Lambda Club, Track Mgr., Cross Country Mgr., Pres. Debate Club, Tech, Differential, Math Club, American Physical Soc.

R. D. KLINE
Mechanical
Sigma Nu, A. S. M. E., Glee Club, Intramural Mgr., Vice Pres. Interfraternity Council, Honor Key.

L. J. KOHN
Electrical
A. I. E. E., Math Club, Case Campus Club.

F. W. KOPF
Chemical
Beta Theta Pi, A. I. Ch. E., Alpha Chi Sigma, Band, Glee Club, Swimming, Differential.

J. I. LACEY
Chemical
Theta Psi Kappa, Band, A. I. Ch. E.

E. J. LALLY
Metallurgical
Sigma Nu, A. I. M. E., Pick & Shovel Club, Interfraternity Council.

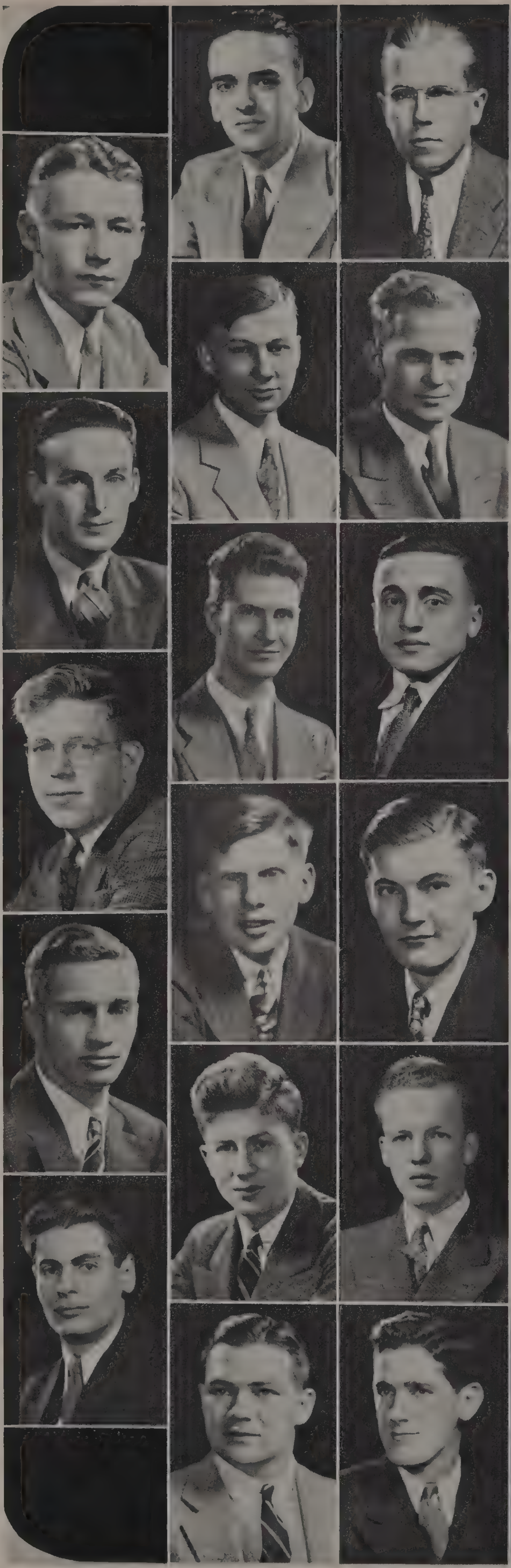
R. E. LALLY
Chemical

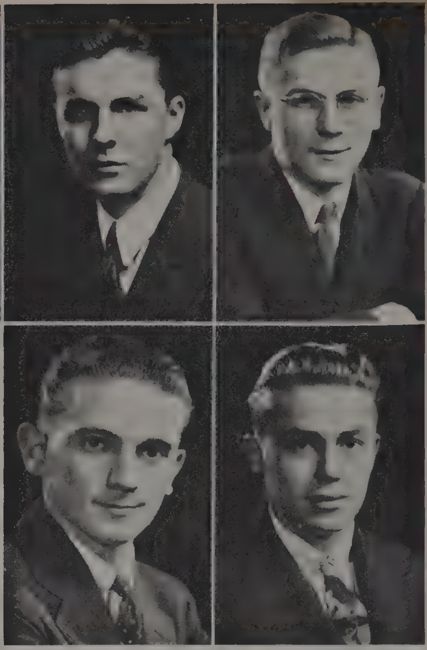
J. P. LONG
Metallurgical
Phi Delta Theta, A. I. M. E., A. S. M., Pick & Shovel Club.

F. B. LORETTA
Chemical
Theta Psi Kappa, A. I. Ch. E., Alpha Chi Sigma, Debate Club.

J. D. LUBAHN
Metallurgical
A. I. M. E., A. S. M., Theta Tau, Tau Beta Pi, Orchestra, Wrestling, Math Club, Case Campus Club.

R. A. LUCHT
Chemical
Zeta Psi, Tennis, Differential.





First Column—E. L. Mast, J. F. McCorkindale, R. L. McGee, A. Melby, S. I. Mendelson.

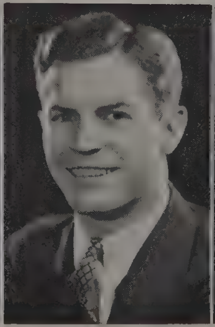
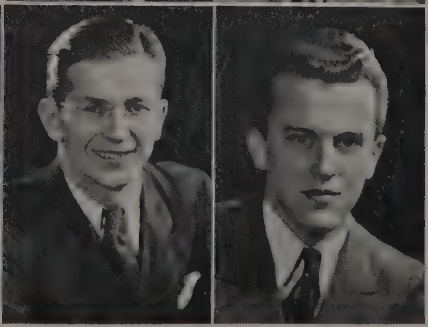
Second Column—W. V. Middough, J. J. Mikos, N. H. Milde, R. W. Mills, S. L. Morgan, R. N. Needham.

Third Column—R. H. Neill, T. H. Nicholl, N. Nicolaides, J. S. Noragon, E. T. Nord, R. H. Olmsted.

Fourth Column—E. G. Pekarek, W. A. Pelton.

Fifth Column—W. E. Pepper, A. A. Peters, E. D. Peters, E. A. Phillips.

Sixth Column—C. A. Prior, R. C. Rahn, H. V. Reed, J. A. Reilly.

E. L. MAST
Civil
Beta Theta Pi, A. R. B.A., A. S. C. E.

J. F. McCORKINDALE
Mechanical
Beta Theta Pi, A. S. M. E., Blue Key, Honor Key, Band, Freshman Football, Wrestling, Bus. Mgr. Tech, Senate, Board of Managers, Chairman Junior Prom.

R. L. McGEE
Metallurgical
A. I. M. E., A. S. M., Pick & Shovel Club, Football, Case Campus Club.

A. MELBY
Chemical
A. I. Ch. E., Alpha Chi Sigma, Case Campus Club.

S. I. MENDELSON
Electrical
Pi Sigma Phi, A. I. E. E., Tech, News Service.

W. V. MIDDOUGH
Electrical
A. I. E. E.

J. J. MIKOS
Electrical
A. I. E. E., Tau Beta Pi, Eta Kappa Nu.

N. H. MILDE
Electrical
A. I. E. E., Band, Case Campus Club.

R. W. MILLS
Electrical
A. I. E. E., Band, Track, Cross Country, Math Club, Case Campus Club.

S. L. MORGAN
Chemical
Alpha Chi Sigma, Band, Case Campus Club.

R. N. NEEDHAM
Metallurgical
Beta Theta Pi, Football, Pick & Shovel Club, A. I. M. E.

R. H. NEILL
Metallurgical
A. I. M. E., A. S. M., Fencing, Glee Club, Tau Beta Pi, Pick & Shovel Club.

T. H. NICHOLL
Mechanical
Phi Delta Theta, Blue Key, Basketball, Tech, Student Editor Alumnus, Vice Pres. Senior Class.

N. NICOLAIDES
Chemical
A. I. Ch. E., International Relations Club, Case Campus Club.

J. S. NORAGON
Civil
A. S. C. E., A. R. B. A., Case Campus Club.

E. T. NORD
Mechanical
Phi Kappa Psi, Blue Key, Theta Tau, Honor Key, Bus. Mgr. Differential, Board of Publications, Senate, News Service, Tech, Interfraternity Council, Alumnus, Wrestling.

R. H. OLMSTED
Metallurgical
A. S. M., A. I. M. E., Band, Pick & Shovel Club, Freshman Basketball, Track, Case Campus Club.

E. G. PEKAREK
Metallurgical
Phi Delta Theta, A. S. M., A. I. M. E., Tau Beta Pi, Theta Tau, Blue Key, Basketball, Track, Cross Country, Pick & Shovel Club, Sec.-Treas. Senior Class.

W. A. PELTON
Mechanical
Zeta Psi, A. S. M. E., Freshman Football, Glider Club.

W. E. PEPPER
Chemical
A. I. Ch. E., Alpha Chi Sigma, Glee Club, Freshman Track, Pres. Jr. Class.

A. A. PETERS
Chemical
Zeta Psi.

E. D. PETERS
Civil

E. A. PHILLIPS
Metallurgical
A. S. M., A. I. M. E., Track, Wrestling, Cross Country, Pick & Shovel Club, Case Campus Club.

C. A. PRIOR
Chemical
A. I. Ch. E., Swimming, Case Campus Club.

R. C. RAHN
Chemical
A. I. Ch. E., International Relations Club.

H. V. REED
Electrical
Beta Theta Pi, A. I. E. E., Theta Tau, Track, Tech, Alumnus, News Service.

J. A. REILLY
Chemical
A. I. Ch. E., Tau Beta Pi, Alpha Chi Sigma, Debate Club, Case Campus Club.

First Column—R. H. Risser, J. A. Robbins, R. J. Rock, L. Ross, D. H. Rowe.

Second Column—G. R. Sackerson, C. E. Sandberg, W. S. Schellentrager, K. S. Scheucher, J. F. Schumar, E. B. Seaton.

Third Column—A. H. Selker, C. C. Silsby, L. A. Sisler, R. H. Skidmore, K. D. Smith, D. L. Snow.

Fourth Column—F. O. Snyder, R. S. Spence.

Fifth Column—R. R. Strickland, R. S. Sutton, G. W. Taber, J. A. Tapleshay.

Sixth Column—D. K. Taylor, B. O. Todd, M. J. Trinter, R. A. Vanderhoof.

R. H. RISSER
Electrical
Beta Theta Pi, Tech, A. I. E. E.

J. A. ROBBINS
Mechanical
A. S. M. E., Aero Club.

R. J. ROCK
Mechanical
A. S. M. E., Glee Club, Cheerleader.

L. ROSS
Mechanical
A. S. M. E., Band, Fencing.

D. H. ROWE
Chemical
A. I. Ch. E.

G. R. SACKERSON
Mechanical
Phi Delta Theta, Wrestling, Tech, Sec. - Treas. Jr. Class.

C. E. SANDBERG
Electrical
A. I. E. E., Glee Club, Band, Wrestling Mgr.

W. S. SCHELLENTRAGER
Chemical
Phi Kappa Psi, Differential, Alpha Chi Sigma, Tau Beta Pi, Board of Managers.

K. S. SCHEUCHER
Mechanical
A. S. M. E., Case Campus Club.

J. F. SCHUMAR
Metallurgical
Case Campus Club, Football, Pick & Shovel Club, Senate, A. I. M. E., A. S. M.

E. B. SEATON
Chemical
Sigma Nu, A. I. Ch. E., Alpha Chi Sigma, Swimming, Tennis, Vice Pres. Fresh. Class.

A. H. SELKER
Chemical
A. I. Ch. E., Alpha Chi Sigma, Fencing.

C. C. SILSBY
Chemical
Alpha Chi Sigma, A. I. Ch. E., Tau Beti Pi, Band, Case Campus Club.

L. A. SISLER
Mechanical
Phi Delta Theta, A. S. M. E., Band.

R. H. SKIDMORE
Mechanical
Zeta Psi, A. S. M. E.

K. D. SMITH
Mechanical
A. S. M. E., Glee Club, German Exchange Student.

D. L. SNOW
Civil
Beta Theta Pi, A. S.C. E., A. R. B. A., Pres. Theta Tau, Tau Beta Pi, Blue Key, Tech.

F. O. SNYDER
Chemical
Sigma Nu, A. I. Ch. E., Alpha Chi Sigma, Freshman Track, Differential, Athletic Ass'n.

R. S. SPENCE
Mechanical
Sigma Nu, A. S. M. E., Tech, Differential.

R. R. STRICKLAND
Mechanical
Sigma Nu, A. S. M. E.

R. S. SUTTON
Metallurgical
Phi Kappa Psi, Pick & Shovel Club, A. I. M. E., A. S. M., Theta Tau, Blue Key, Wrestling, Math Club, Editor Tech, Honor Key, Student Who's Who.

G. W. TABER
Mechanical
Zeta Psi, Glee Club, Tennis, Freshman Track, Differential, Interfraternity Council, Sec.-Treas. Fresh. and Jr. Classes.

J. A. TAPLESHAY
Civil
Theta Psi Kappa, A. S. C. E., A. R. B. A., Glee Club, Interfraternity Council.

D. K. TAYLOR
Chemical

B. O. TODD
Mechanical
Phi Delta Theta, A. S. M. E., Track, Cross Counrty, Glider Club.

M. J. TRINTER
Metallurgical
Sigma Nu, A. I. M. E., A. S. M., Pick & Shovel Club, Glee Club, Freshman Football, Track, Basketball, Alumnus.

R. A. VANDERHOOF
Civil
Beta Theta Pi, A. S. C. E., A. R. B. A., Theta Tau, Football, Wrestling.

First Column—J. A. R. Van Hamersveld, J. Van Vassem, E. T. Vitcha, C. I. Vogt, E. C. Vogt.

Second Column—H. J. Vyhnalek, R. F. Warner, G. A. Watson, H. C. Webb, H. L. Weiss, K. F. Wening.

Third Column—R. H. White, J. J. Wilber, W. F. Williams, R. E. Willison, R. H. Wilson, W. G. Winslow.

Fourth Column—O. C. Winterich, W. T. Wirtner.

Fifth Column—D. R. Wistar, R. J. Wolf, C. F. Wood, R. D. Yoder.

Sixth Column—D. J. Zaffarano, C. W. Zentgraf, R. L. Zipf, R. R. Zulak.

J. A. R. VAN HAMERSVELD
Mechanical
Track, Swimming, Wrestling.

J. VAN VESSEM
Chemical
Alpha Chi Sigma, Cross Country, Track, Senate, Case Campus Club, Student Who's Who.

E. T. VITCHA
Metallurgical
Beta Theta Pi, A. I. M. E., Glee Club, Tech, Alumnus, Pick & Shovel Club.

C. I. VOGT
Chemical
Zeta Psi, A. I. Ch. E.

E. C. VOGT
Civil
Phi Delta Theta,
A. S. C. E., A. R. B. A.

H. J. VYHNALEK
Chemical

R. F. WARNER
Mechanical
Tau Beta Pi, Theta Tau, Band, Mgr. Orchestra, Mgr. Musical Clubs, Swimming, Aero Club, Honor Key.

G. A. WATSON
Metallurgical
Football, Pick & Shovel Club.

H. C. WEBB
Mechanical
Zeta Psi, A. S. M. E., Tau Beta Pi, Wrestling, Track, Differential, Aero Club.

H. L. WEISS
Civil
Phi Delta Theta,
A. S. C. E., A. R. B. A., Tau Beta Pi, Theta Tau, Blue Key, Football, Basketball, Senate, Editor Freshman Handbook, Student Who's Who.

K. F. WENING
Electrical

R. H. WHITE
Mechanical
Beta Theta Pi, Cheerleader.

J. J. WILBER
Mechanical
A. S. M. E., Freshman Football, Case Campus Club.

W. F. WILLIAMS
Mechanical
A. S. M. E., Track.

R. E. WILLISON
Electrical
Phi Delta Theta, Theta Tau, Eta Kappa Nu, Glee Club.

R. H. WILSON
Mechanical
Phi Kappa Psi,
A. S. M. E., Football.

W. G. WINSLOW
Metallurgical
Phi Delta Theta, A. S. M., A. I. M. E., Sec. Tau Beta Pi, Theta Tau, Blue Key, Band, Glee Club, Freshman Football, Wrestling, Hockey, Tech, Pres. Pick & Shovel Club, Student Who's Who.

O. C. WINTERICH
Electrical
Phi Kappa Psi, A. I. E. E., Freshman Football, Hockey.

W. T. WIRTNER
Electrical
A. I. E. E.

D. R. WISTAR
Metallurgical
Phi Kappa Psi, Football, Pick & Shovel Club.

R. J. WOLF
Metallurgical
Phi Kappa Psi.

C. F. WOOD
Chemical
Sigma Nu, A. I. Ch. E., Alpha Chi Sigma, Tau Beta Pi, Blue Key, Glee Club, Gamma Phi, Alumnus, Tech, Differential, Athletic Ass'n., Student Who's Who.

R. D. YODER
Electrical
Beta Kappa, A. I. E. E., Glee Club.

D. J. ZAFFARANO
Physics
Sigma Alpha Epsilon, Lambda Club, Band, Tech, Orchestra, Fencing, Glee Club, Honor Key, Interfraternity Council.

C. W. ZENTGRAF
Civil
Phi Delta Theta,
A. S. C. E., A. R. B. A., Blue Key, Track, Glee Club, Wrestling, Math Club, Honor Key, Football, Pres. Fresh. Class, Student Who's Who.

R. L. ZIPF
Chemical
A. I. Ch. E., Case Campus, Club.

R. R. ZULAK
Electrical
A. I. E. E., Track, Glee Club, Case Campus Club.

CASE JUNIORS-1940

R. F. HODGSON
Junior Class President

And now as he has finished his junior year with a certain degree of maturity, he looks back joyfully and yet with regret, on the three eventful years behind him.

How well he remembers the significance of his freshman cap, and how well that significance was impressed upon his mind. Next came the bag rush and then, as the final touch of the freshman year, the freshman surveying camp. The know-it-all sophomore year, in which he really learned how to study, came and went much too quickly. In his junior year, there was the Prom, which will not soon be forgotten. The junior inspection trip, aside from bringing out the play-boy in him, was the highlight of his third year.

His class has not been an exceptional one but, both scholastically and athletically, it has met those standards set by the Case men who have graduated before him. He now turns his thoughts to the future. Next year he will be one of the "big shots" of the campus. And after that, if there is an after that, for many of the class have fallen and are to fall by the wayside, he will go forth to do battle with a strange and heartless world.

The Junior realizes that all too soon he will no longer take an active part in the activities on the campus. With this in mind, he enters his senior year with the hopes of receiving further modeling into a real Case man.

G. D. ADAMS
I know the answer, teacher.

L. A. ANDERSEN
Sweetheart of Sigma Chi.

A. BALHARRIE
Vas you der Alex?

W. M. BARNES
That's my Pop!

R. L. BECHTEL
Nuts, I saw one twice as big.

R. W. BELL
Well push mah button!

W. H. BEMIS
That goes double for me.

D. L. BISHOP
Off to Toledo.

First Row—Adams, Andersen, Balharrie, Barnes, Bechtel
Second Row—Bell, Bemis, Bishop, Blackmore, Bliss, Bobula

Third Row—Boeckling, Bolz, Borkowski, Borofka, Bower, Brennan
Fourth Row—Brown, Brumagin, Bulan, Bungarda, Cerne

R. W. BLACKMORE
Foiled again!

W. M. BLISS
Ignorance is bliss.

L. A. BOBULA
Lois.

G. A. BOECKLING
Just plain George.

R. E. BOLZ
He needs a handicap.

C. J. BORKOWSKI
It's like dis.

F. J. BROWN
Brown knows.

W. R. BRENNAN
Oh! That chemist.

H. A. BOWER
A fast (track) man.

F. J. BOROFKA
Gravy's shadow.

P. J. CERNE
The baker boy.

G. A. BUNGARDA
Let George do it.

A. J. BULAN
Bulanoid.

M. M. BRUMAGIN
The head shoveler.

R. M. CLINE
I can sleep anywhere.

E. D. CHRISTOPHERSON
Thumbs.

D. E. CHARPENTIER
Frenchy.

G. P. CHAPMAN
He's responsible.

M. J. COWAN
I'm an ole cow 'an'.

A. J. COOK
Lookie, lookie, lookie.

F. P. CONVERSE
I'm for labor.

W. H. COLLINS
Sparks.

R. S. CRANDALL
(Deceased, Feb. 8, 1939.)

R. D. CRITZER
Sofa Derby.

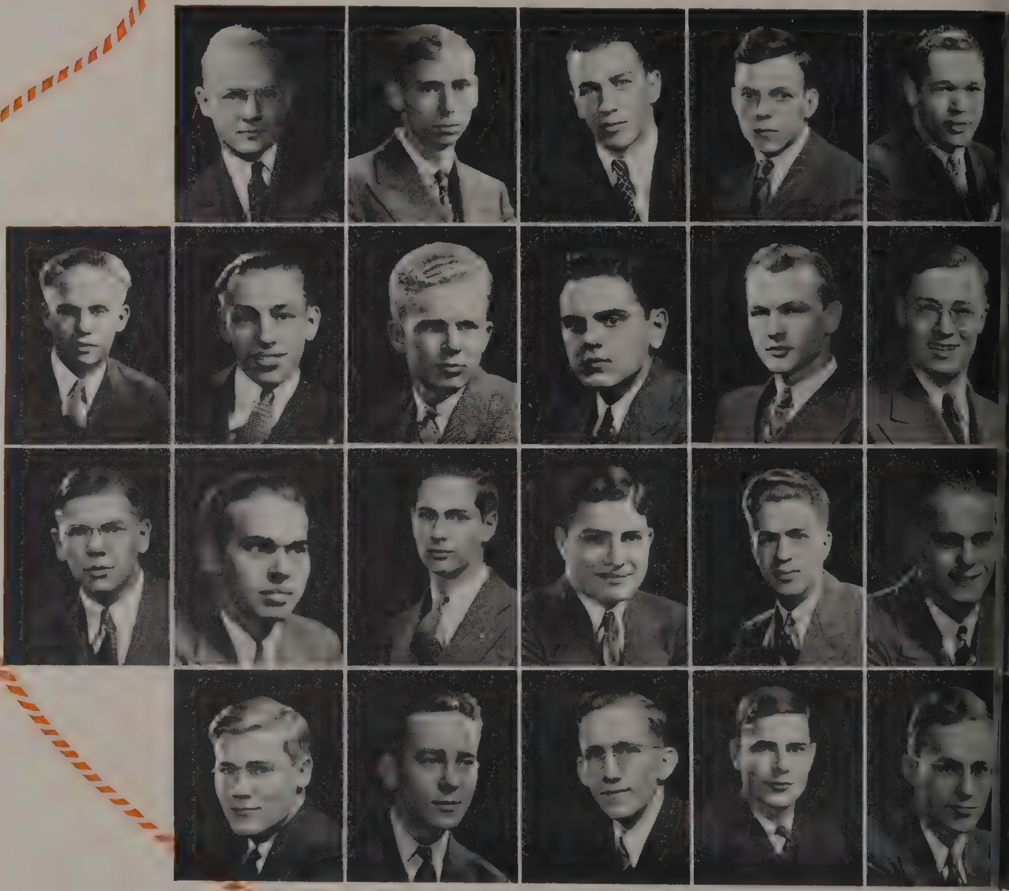
H. H. DENBY
It's in my briefcase.

R. H. DENTON
Pants Melick!

F. DEPOULD
Got your money?

W. P. DEUTSCH
I'll gladly teach, teacher.

First Row—Chapman, Charpentier, Christopherson, Cline, Collins
Second Row—Converse, Cook, Cowan, Crandall, Critzer, Denby



Third Row—Denton, Depould, Deutsch, DiVincenzo, Doubrava, Dowling
Fourth Row—Dreifort, Dunasky, Edgar, Edick, Endlich

A. P. DIVINCENZO
Bone-crusher.

E. N. DOUBRAVA
Jeep.

N. DOWLING
Pawnee.

D. A. DREIFORT
Take a reading.

H. J. DUNASKY
Don't ask me.

K. L. EDGAR
They do pile it that high.

G. W. EDICK
I cannot tell a lie.

P. W. ENDLICH
Carrot-top.

E. C. GREGG
Just call me, Covey.

K. H. GREEN
Let's postpone it, Doc.

J. P. GRAVENSTRETER
Gravy.

C. C. GOW
The hand is quicker than the eye.

P. D. GOLRICK
Goober.

W. T. GLOOR
Blame it on Wilbur.

R. L. GILLILAND
Let's pants me.

J. F. GILCHRIST
Mack Anical.

First Row—Gregg, Green, Grovenstreter, Gow, Golrick
Second Row—Gloor, Gilliland, Gilchrist, Gay, Garrison, Gardiner

Third Row—Fuller, Friedman, Friedel, Fredrichs, Forsythe, Formhals
Fourth Row—Fitzwilliam, Fisher, Findeisen, Fagnan, Engler

W. J. GAY
Boy Scoot.

D. A. GARRISON
What I mean is—

R. A. GARDINER
You spell it with an "i".

R. L. FULLER
Brush man.

S. N. FRIEDMAN
Maestro.

H. H. FRIEDEL
High explosive.

J. W. FITZWILLIAM
Champ—That is I.

E. J. FORMHALS
Whispering Ed.

W. W. FORSYTHE
Slinky.

C. L. FREDRICHS
Bunny.

A. B. ENGLER
The snappy civil.

D. A. FAGNAN
Youse is a viper.

J. O. FINDEISEN
Society blade.

J. L. FISHER
Call me Duke.

A. T. HUBBARD
Old mother.

J. J. JACKLITCH
Speed.

E. J. JORY
Late again.

W. B. KELLER
Let's cheer, men.

R. O. HOOKWAY
Hookie.

H. L. HOPKINSON
Baldy.

D. F. HORSBURGH
I'm going out of town.

R. W. HORVATH
The mad physicist.

W. F. HOFFMAN
Got a job to-nite.

C. A. HOERNEMAN
One of the mob.

R. F. HODGSON
He's our Prexy.

J. L. HIPPLER
Can you tie that?

D. B. HERRICK
Where I come from it's hot.

K. G. HENRIKSON
Bool of the woods.

First Row—Keller, Jory, Jacklitch, Hubbard, Horvath
Second Row—Horsburgh, Hopkinson, Hookway, Hoffman, Hoerneman, Hodgson

Third Row—Hippler, Herrick, Henrikson, Helmuth, Harris, Harley
Fourth Row—Hannon, Hamlin, Hamilton, Guy, Gurs

L. W. HELMUTH
Babe of the woods.

J. F. HARRIS
He likes his loving.

R. E. HARLEY
Sarah.

W. W. HANNON
Screwball.

W. G. HAMLIN
Ham an—

J. L. HAMILTON
Hammy boy.

J. R. GUY
Some guy.

S. P. GURS
The mad Russian.

F. E. MARBLE
Note the initials.

B. E. MANSELL
The class songbird.

J. MACKAY
The great McCoop.

T. LOCK
I should have gone to Yale.

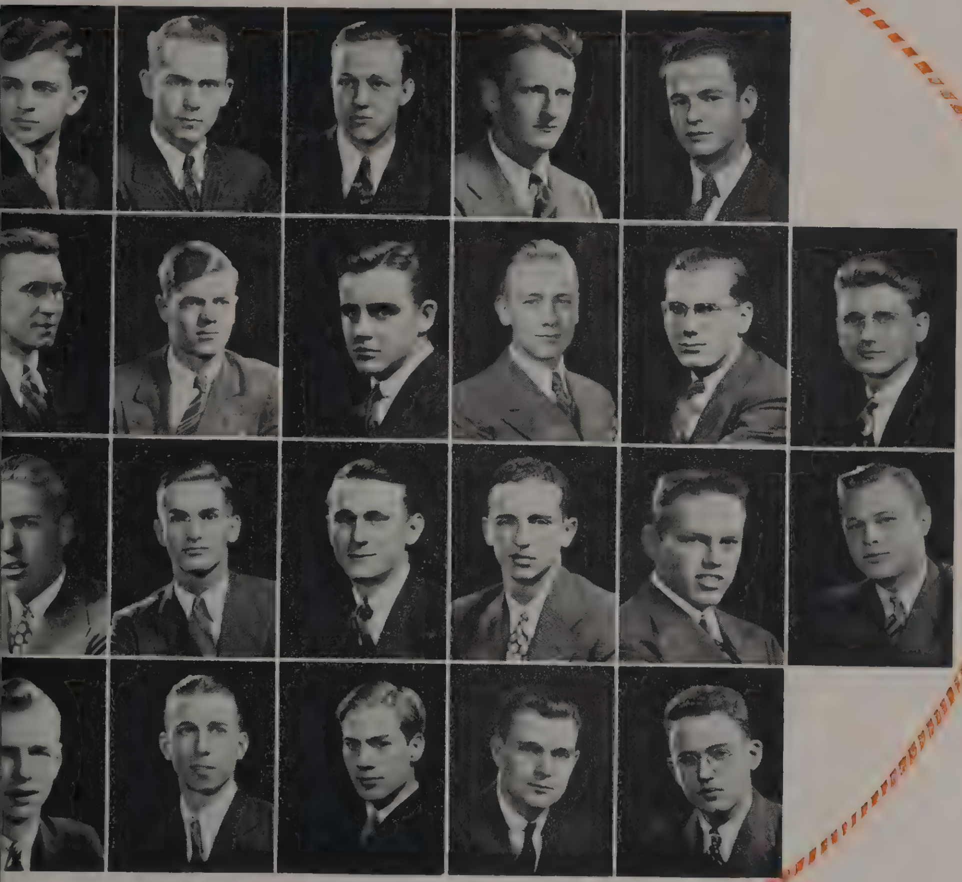
J. F. LAWLER
Some dive.

S. A. LAURICH
Stevie.

L. W. LARSEN
Larry.

R. W. LANGE
For Auld Lang Syne.

First Row—Marble, Mansell, MacKay, Lock, Lawler
Second Row—Laurich, Larsen, Lange, Lamp, LaMarche, Lachowski



Third Row—Kulow, Kuenhold, Kuemmel, Koll, Kojan, Koellish
Fourth Row—Koehler, Kocmit, Klamm, Kempton, Kelley

R. K. LAMP
Watch me shine.

P. J. LAMARCHE
Try one of my specials.

J. LACHOWSKI
Strangler Joe.

F. L. KULOW
Fuzzy Mack.

N. I. KUENHOLD
I need lovin'.

O. C. KUEMMEL
The fisher boy.

D. M. KOEHLER
Lefty.

W. M. KOELLISH
Not that way, Doc.

J. S. KOJAN
Sleepy Joe.

R. J. KOLL
Ole King Kole.

P. T. KELLEY
—with the hat.

E. W. KEMPTON
Watch the birdie.

W. A. KLAMM
Still in his shell.

O. M. KOCMIT
OKMNX.

R. J. OGRODY
Water-boy.

C. W. OHLY
They all like my girl.

R. S. OSTRANDER
Ossie.

T. G. PASCO
The celery-boy.

V. J. NEXON
Vic.

F. NOBLE
Let 'er rip.

G. C. OBER
Up and Ober.

H. E. OBERST
Harry.

J. C. NEWTON
High-flier.

W. H. B. NEWELL
Limey.

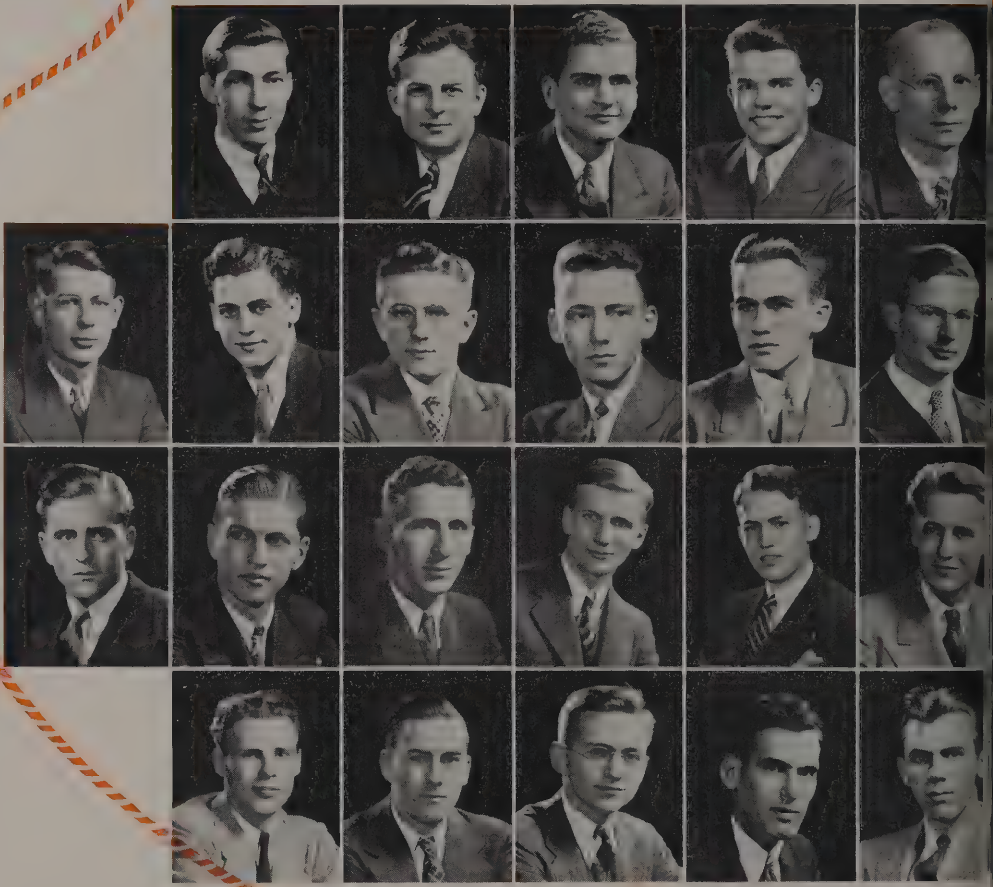
H. E. NEVILLE
Rockets.

G. F. NEMEYER
West Virginia hill-billy.

J. J. NEIDHART
Water wings.

V. G. NAYLOR
Hammer—nailer.

First Row—Pasco, Ostrander, Ohly, Ogrody, Oberst
Second Row—Ober, Noble, Nexon, Newton, Newell, Neville



Third Row—Nemeyer, Neidhart, Naylor, Muehlberg, Miner, Meyer
Fourth Row—Melick, McMillan, Matlow, Martin, Martens

J. R. MUEHLBERG
Sailing—sailing.

R. W. MINER
Cowboy.

C. A. MEYER
Exact.

L. L. MELICK
I really am good.

B. L. McMILLAN
Esquire.

G. MATLOW
For the sake of argument.

W. E. MARTIN
Just a bird.

R. A. MARTENS
And the Coys.

E. H. SCHANZLIN
O'Brien.

M. B. SAMPSON
Slingin' Sam.

G. F. RUD
Roses are Rud.

J. V. ROTH
Let's do it my way.

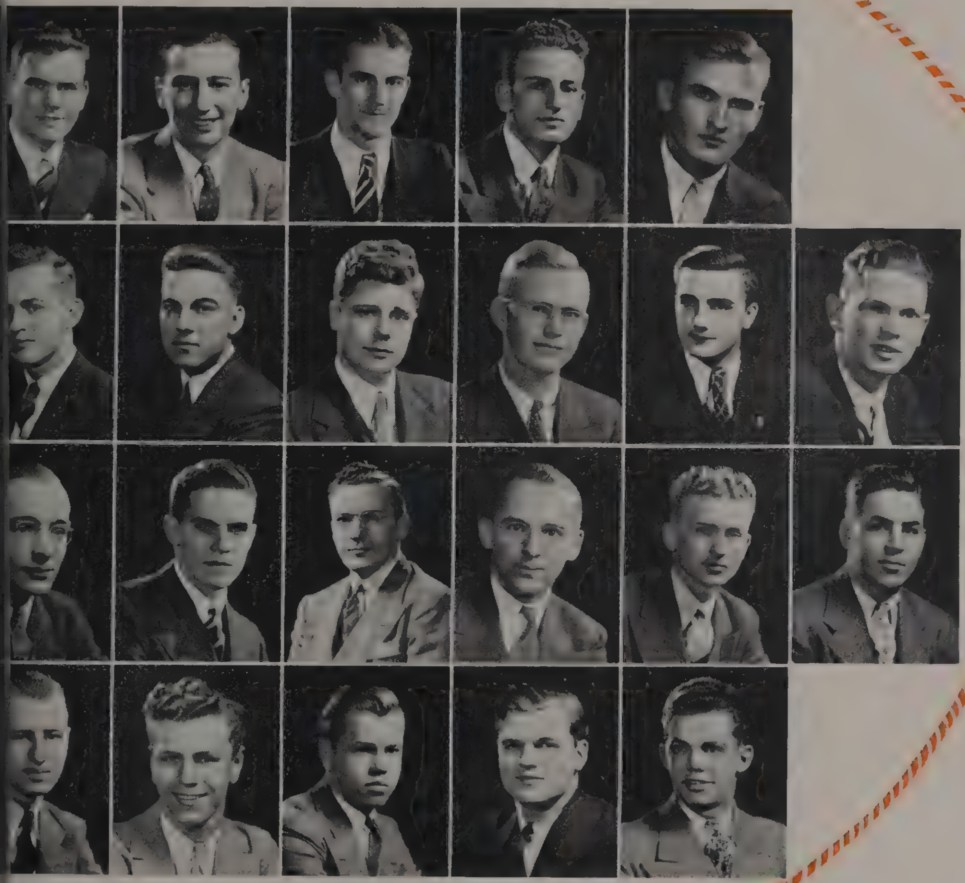
F. ROMANO
Alps.

R. S. ROGGE
Groggy.

S. F. ROGELL
Stan.

W. A. ROBINSON
Willie da bat.

First Row—Schanzlin, Sampson, Rud, Roth, Romano
Second Row—Rogge, Rogell, Robinson, Roberts, Rau, Randall



Third Row—Quigley, Punsky, Protiva, Preuss, Potter, Pontius
Fourth Row—Polster, Petras, Peltier, Peirce, Pasek

W. C. ROBERTS
Wistful Webbie.

W. L. RAU
What's in it for me?

R. V. RANDALL
Missed him by an inch.

F. B. QUIGLEY
Quiet.

L. M. PUNSKY
I'm from Reserve.

R. F. PROTIVA
Big Ben.

N. E. POLSTER
Smokes.

F. S. PONTIUS
Oh devil, a civil.

F. T. POTTER
Blondie.

H. P. PREUSS
Poet.

D. J. PASEK
Curly.

A. D. PEIRCE
Psst—Let's see the problem.

F. E. PELTIER
Peltier's effect.

E. J. PETRAS
Salt of the earth.

J. L. STEINFELD
Fuse blower.

L. D. STERN
Drummer Boy.

H. J. STRAW
Straw's cheaper.

W. T. STRICKLAND
Lightnin'.

E. P. SPANDAU
Fly-catcher.

R. K. SPANGENBERG
Snookems.

D. W. STEEL
Hoot Mon.

P. STEFAN
Your wrong.

F. W. SOPER
Wee Willie.

W. K. SMITH
Bugle boy.

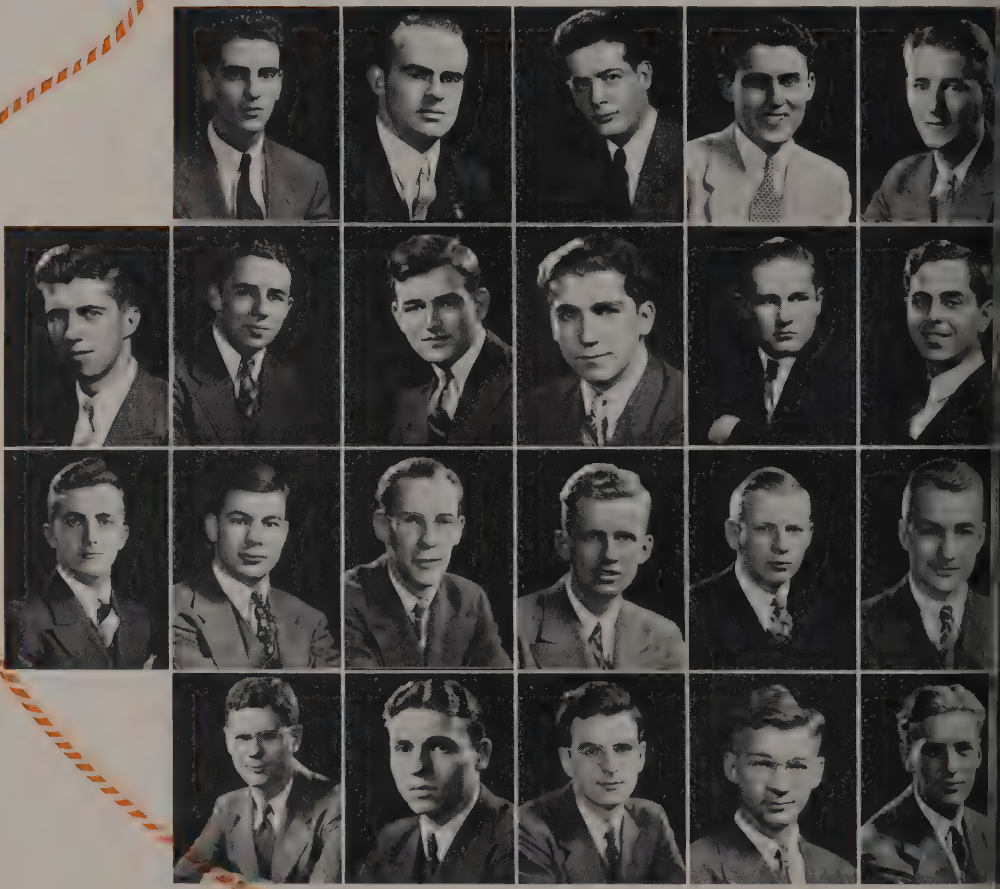
A. R. SISKIN
Thithling Thithkin.

C. K. SIMPSON
Suitcase.

H. L. SICHERMAN
Worry wart.

J. H. SIBBISON
Censored.

First Row—Strickland, Straw, Stern, Steinfeld, Stefan
Second Row—Steel, Spangenberg, Spandau, Soper, Smith, Siskin



Third Row—Simpson, Sicherman, Sibbison, Shelton, Sharpe, Semon
Fourth Row—Scott, Schrauf, Schmidt, Schmid, Schipper

R. L. SHELTON
Doc—and his 37 queens.

R. H. SHARPE
Not so sharp.

H. W. SEMON
Acropolis.

C. L. SCOTT
Gimmee a chew.

B. N. SCHRAUF
Bernie.

H. P. SCHMIDT
Horse Power.

J. R. SCHMID
Honest John.

J. F. SCHIPPER
Blue Paint.

H. F. STUHR
Yah, I don't believe it.

D. K. SWARTWOUT
Deacon.

L. L. TACL
Tassel.

D. W. TAFARELLA
Terrible fella.

R. J. TATOUSEK
Tit for tat.

J. M. TAUB
Rub a dub dub.

A. O. TISCHLER
Table Top.

W. J. TOMAN
Wild Bill.

First Row—Stuhr, Swartwout, Tacl, Tafarella, Tatousek
Second Row—Taub, Tischler, Toman, Vanas, Vargo, Voss

Third Row—Wallace, Walter, Weidenkopf, Wetherald, Whitehead, J. Wilson
Fourth Row—R. Wilson, Winkel, Wise, Wood, Zabel

J. J. VANAS
Venus—Our May queen.

E. J. VARGO
Wells—the express boy.

J. A. VOSS
Swing and toss with J. A. Voss.

R. B. WALLACE
Tuffy and his worries.

G. H. WALTER
Hi, Wire.

B. W. WEIDENKOPF
Narrow and cough.

R. C. WILSON
Brownie.

J. A. WILSON
Guaranteed predictions.

D. W. WHITEHEAD
Vass you efer in Zinzinnati?

R. W. WETHERALD
Wetheraldavitch.

W. P. ZABEL
Oh, me.

R. L. WOOD
Moose.

R. T. WISE
Jest Josh.

E. F. WINKEL
Das Cluck.

SOPHOMORES

After enjoying the noteworthy distinction of being the first class to occupy the new surveying camp at Loudonville, the class of '41 returned to school to run the second lap in its engineering education. Older by a year than when they entered the school as green frosh, and certainly wiser, the sophs split up into their various sections, but the spirit of '41 still prevailed.

Rich in class interest, and filled with the desire to succeed in every phase of campus endeavor, the sophomores got off to a flying start by winning the bag rush from a large freshman turnout, and then continued along the same line by contributing generously to athletics and other activities.

But, interspersed with class cooperation and campus cutting up, there were daily sessions under the supervision of the faculty, running from 8 A. M. to 4 P. M. These meetings were generously, but not too generously, attended by every member of the class.

As it does to all Case men, time soon brought them to the finals, and the midnight oil burned profusely.

Minor obstacles like finals can be bridged, however, and the class continued on its way without too many fatalities. They're still facing forward, and, in view of their past record, the sophomores might be justified in repeating the phrase: "—keep your eye on the class of '41"!

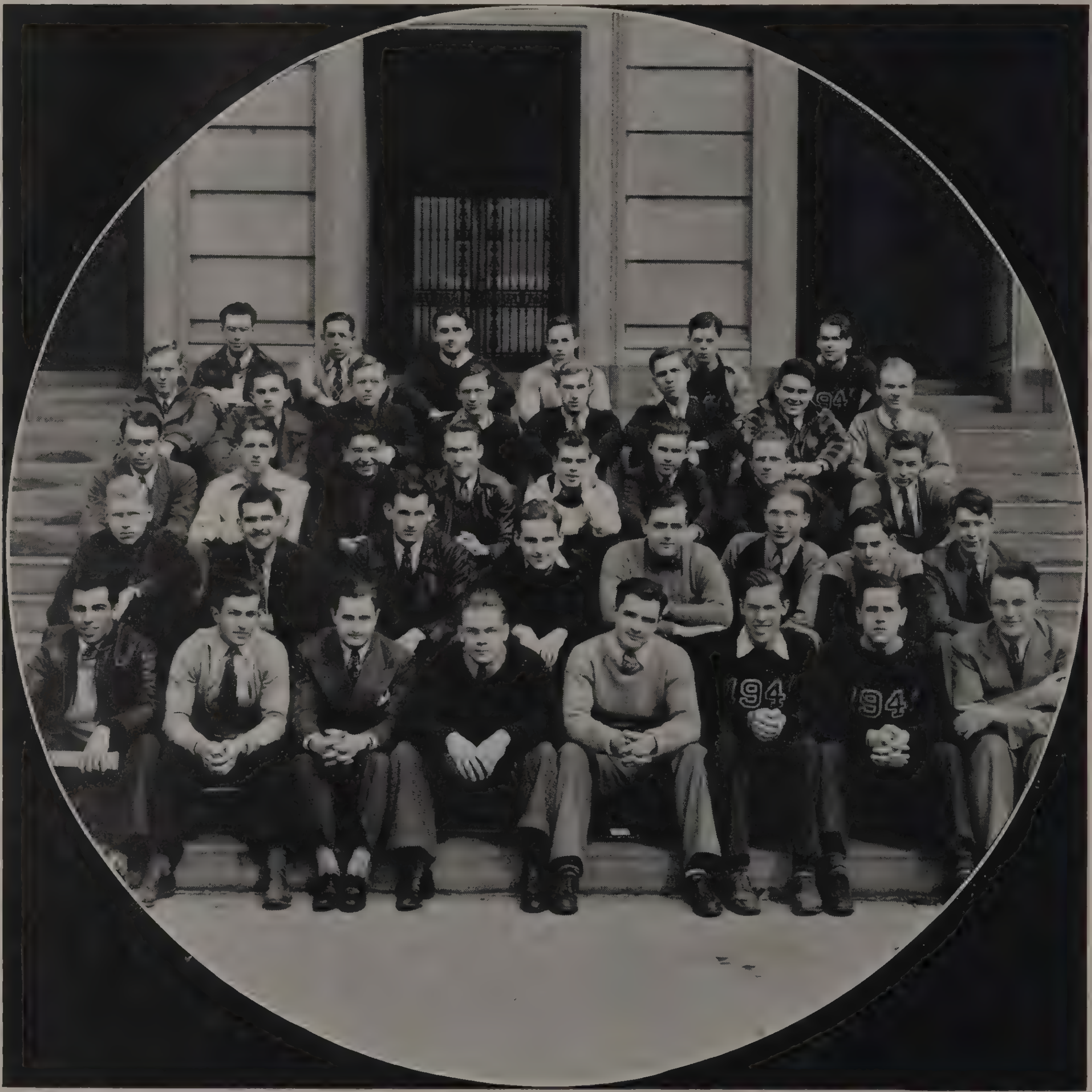
D. C. ROBIN
Sophomore Class President

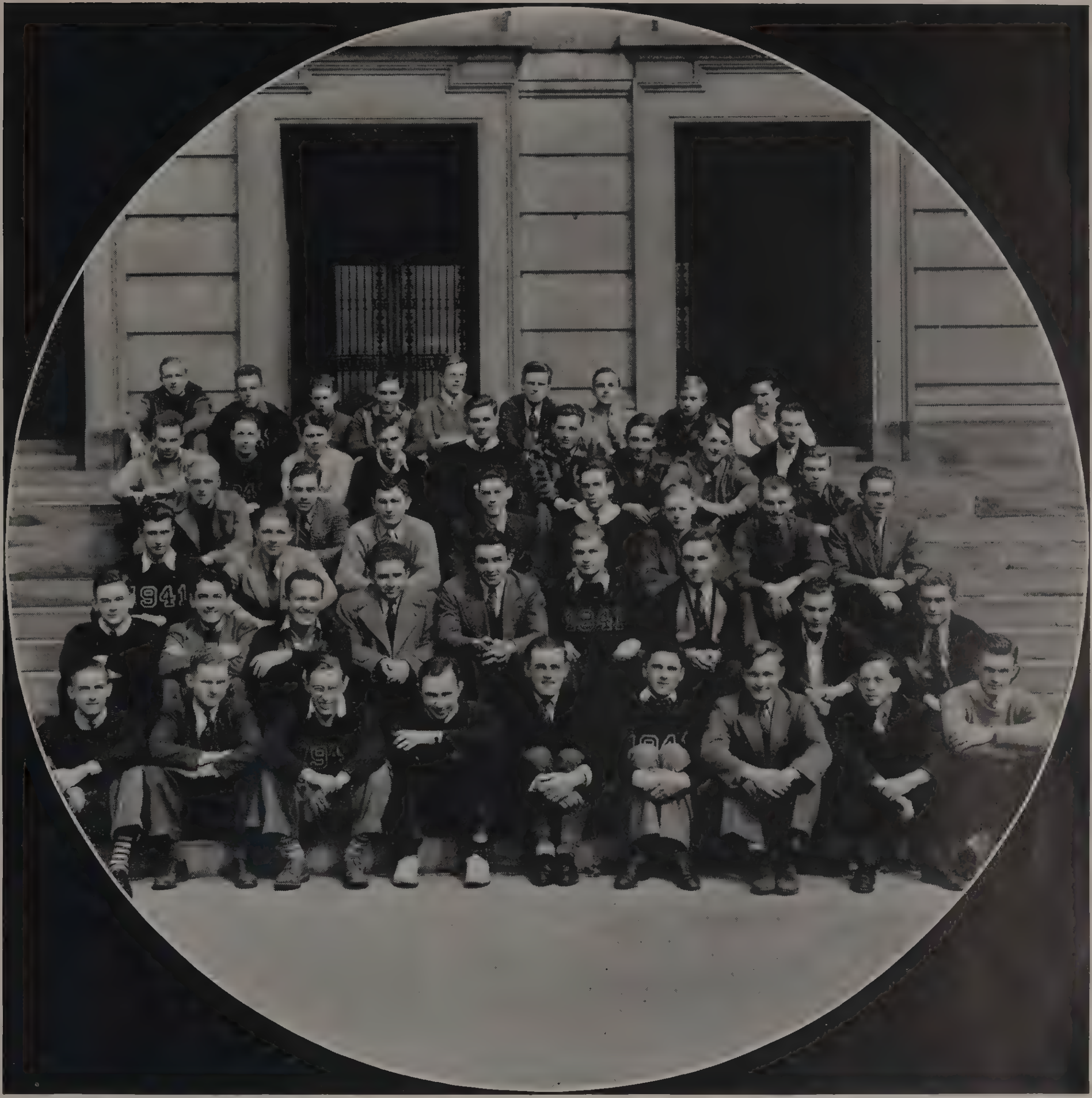
First Row—Levy, Shafer, S. F. Williams, Snook, Murphy, Kaercher, Johns
Second Row—Anders, Veigel, K. Y. Benson, Bork, Moorhouse, Erickson, R. W. Meyer
Third Row—Hill, Scheutzow, Hollopetre, Larer, W. M. Smith, Buehler, O'Neill
Fourth Row—Yarham, D. D. Bell, Birmingham, Klitz, Gifford, Sacha, Egan, J. T. English

CLASS 1941

SOPHOMORES

First Row—Valentine, Zucher, M. H. Weisman, Pugh, Alexander, VanHorn, Sorber, Ehrhardt
Second Row—Traupe, Madsen, Slater, Dillon, Patton, Thurston, Ponstingl, Houser
Third Row—Beatty, Phelps, Seal, W. A. Lucht, Andrew, Howard, Hook, Wahl
Fourth Row—Beckwith, Doncyson, Beutel, D. R. Davidson, Longley, Maursky, Harper, Dugar
Fifth Row—Cowles, West, Collaros, Merriam, Lynch, W. Harris





First Row—Heine, Somerwill, Stuckey, King, W. C. Green, Ciehanowicz, F. Hauser, Hurst
Second Row—Squire, Kovelan, Zivich, Sibisan, Gedeon, Husted, Cieslik, Richards, Lachow
Third Row—Pearn, Knuff, Mantey, J. E. Wood, W. A. Meyer, Wilkinson, Howson, Phillips
Fourth Row—Drechsler, Crobaugh, Foster
Fifth Row—Curtis, Barre, Thompson, Vaughn, Koch, Cieszko, Morse, Eiben, Graham
Sixth Row—Keska, Higgins, Jones, Knepper, Allen, Schager, Cherry, Sheflin, Monti

CLASS 1941

CASE FRESH

We unhesitantly placed our foot for the first time that September morning on one of the important milestones of our life—college—as our president, Dr. Wickenden, and Dean Focke saw us congregate. The now familiar physics lecture room was filled past overflowing, endeavoring to hold the largest class ever enrolled at Case. Our first week was a period of familiarization and orientation to our novel surroundings, including placement exams, freshman assemblies, and ending with the traditional freshman banquets. The new faces were assuming names; we were getting to know Case; we were beginning to understand the contrast between college and high school.

The sophomore class, after trying for years, finally won the bag rush, aided tremendously by favorable handicaps. We obediently attended football games, performing at the halves, and helped cheer varsity men of all sports on to greater efforts. Enforcing their commands with ominous paddles, Blue Key induced us to learn our songs and cheers without a great deal of delay.

EN OF 1942

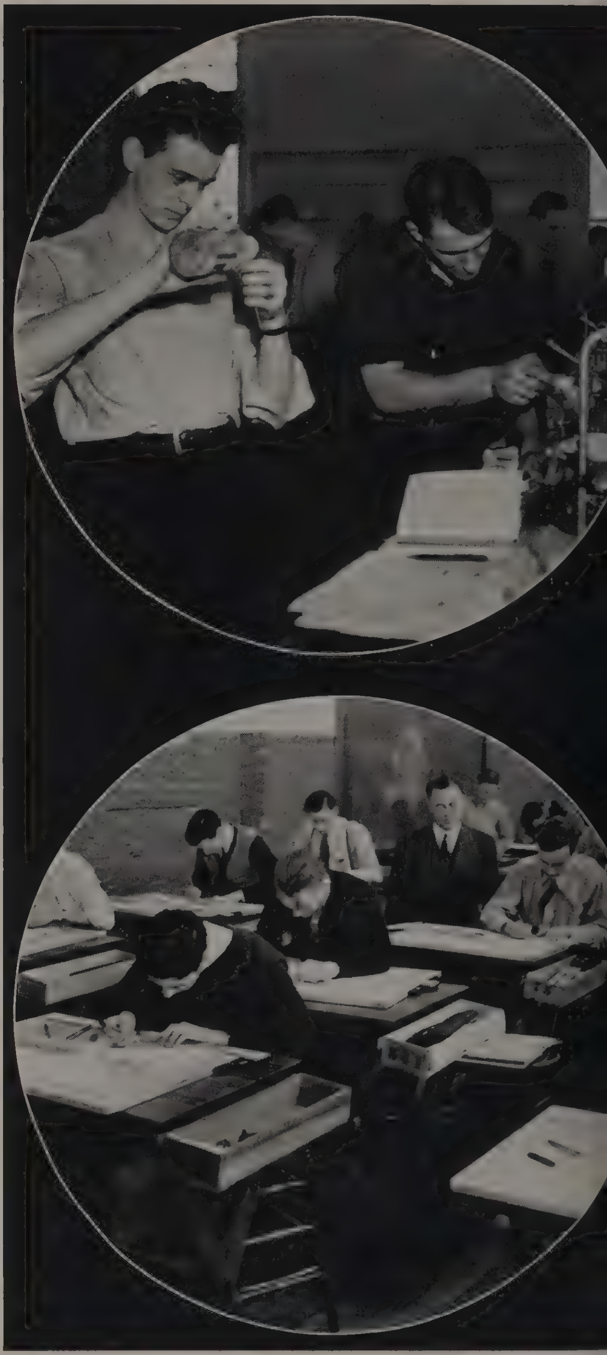
K. V. Killian	President
C. Smallwood	Vice-president
R. A. Mattoon	Secretary-Treasurer
G. F. Konker	Sergeant-at-Arms
H. J. Mlchovsky	Historian
D. R. Nusbaum	Senator

By the time of our first grading period, we had settled into the regular routine of our studies, finding that old high school methods were no longer efficient. We are now fully accustomed to Case and its traditions and expect to do great things at freshman camp and on the campus next year as sophomores.

Another rest at mid-semester vacation, fraternity initiation, registration, all helped to start afresh the new semester in the now thoroughly familiar home, the main building. We again clambered up the four flights of stairs to the drawing rooms no longer for nine hours of drawing but for a new worry—descriptive geometry. The semester passes and we anxiously look forward to new Camp Case stimulated by dramatic sophomore stories of camp life.

We can not forecast that the class of '42 will achieve more than other classes have accomplished in the past, but we know that with a year's experience now "tucked under our belt" we will come back as sophomores to assume a more dominating position on the Case campus.

FRESHMEN AT WORK



ALUMNI ASSOCIATION

Marguerite Meyer, C. F. Chapman, Helen Borsch

The Case Alumni Association, revolving around the work of the Alumni Council, has completed another year of serving Case. Under the able leadership of President Lee M. Clegg and the excellent contacting abilities of Secretary Charles F. Chapman, the alumni have continued their close alliance with the faculty and the undergraduates. Serving a three-fold purpose, the association performs, in brief, the following duties: first, it brings Case graduates in closer touch with their school by annual reports sent to them and by distribution of the "Case Alumnus"; second, it gives Case material aid, such as working with the college to organize the campaigns for endowments and the financing of new buildings; third, it encourages undergraduate performance by the award of prizes and trophies, for it is the Alumni Association which established the Les Bale award and the fraternity scholarship trophies. These functions have been commendably performed within the past year.

Thus, with a great amount of work to do, an equally great desire to do it, and an ever-increasing and well deserved pride in its accomplishments of the past, the Alumni Association continues its tradition of serving Case and Case men.

"Pouring the Heat"
Courtesy Otis Steel Company.

Motor-alternator sets in a new, continuous, wide strip mill
Courtesy Reliance Electric & Engineering Company

82-inch Reflecting Telescope
Courtesy The Warner & Swasey Company

Six-stand finishing train in the hot mill

Courtesy Republic Steel Corporation

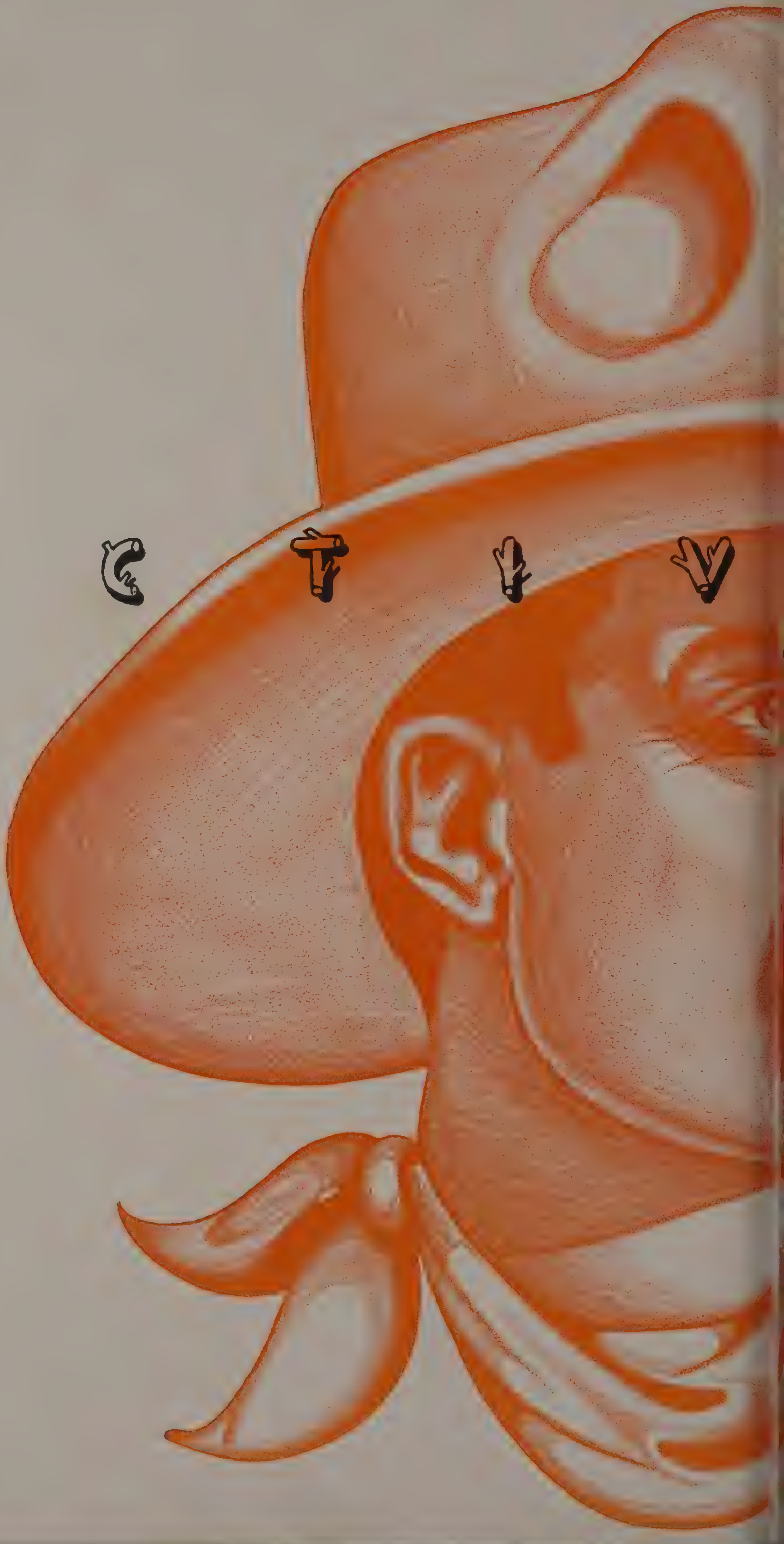
Two hundred thousand square foot, all-welded, rigid frame factory addition

Courtesy The Austin Company

Spinning reels drawing rayon threads from spin tanks

Courtesy Industrial Rayon Corporation

ACTIV



ITIES

Seated—Prof. Churchill, Schumar, Brohl, Van Vessem, Jamieson, Chapman.

Standing — Nusbaum, McCord, Spangenberg, Eichler, Bower, Neville.

Not Pictured—Weiss.

SENATE

The Case Senate, the highest and most powerful organization of the student body, is the official link between the faculty and undergraduates. Working in close contact with both the administration and the students, the Senate has secured many undergraduate privileges and fostered many changes in the students' behalf. When awkward situations arise that do not directly concern the faculty or administration of the school the Senate recommends the course of action to be taken, and by facing these problems in an unprejudiced manner it unvariably hands down well-considered, complete decisions. In general, the Senate exists to promote the best interests of the student body and of the school at large. In addition to these general duties, the Senate determines honor points and honor key awards, conducts class and school elections, and at all times maintains itself as a guiding force behind all other campus organizations.

The president of this versatile body which is composed of twelve men is annually sleected from the four junior senators by a general student election; ten of the other members are elected by popular vote of their classes at the annual elections in the spring and one is elected by the Board of Managers.

BOARD OF MANAGERS

"Gentlemen need no rules" is the only rule which the Case Board of Managers places upon the students using the facilities of the Case Club. In this way the Board performs one of its many duties by seeing that a pleasant and comfortable atmosphere prevails at all times at the Case Club. This is only one of the long list of duties that the members of the Board must see fulfilled. The Junior Prom, the many Case Club dances, and a large majority of the social functions of the school itself are all sponsored or managed through the Case Board of Managers.

Three seniors, two juniors, and one sophomore are chosen annually to comprise the Case Board of Managers. Any student, scholastically eligible, may try out for a position at the beginning of each year.

Although the Case Board of Managers is an important and responsible organization, its presence is seldom felt by the members of the student body. Perhaps this is because the activities which they manage are run so smoothly and successfully.

Standing—Newell, Melick.

Seated — Schellentrager, Brohl, Prof. Churchill, Jamieson.

Not Pictured—Bird, McCorkindale

BLUE KEY

Blue Key is the result of the combination of Owl and Key and Skull and Bones in 1932. These two former groups were founded for the purpose of promoting activities and leadership on the campus. Blue Key has continued to carry on these high ideals and has added also its strength as a noteworthy national organization. Seventy-three active chapters exist at the present throughout the United States.

In addition to its function of giving campus leaders recognition, Blue Key has more tangible interests. Throughout the year this organization undertakes various Case campaigns. Freshman training this fall was handled admirably by Blue Key. The freshman class will not soon forget the Case tradition and spirit instilled in it in its early existence at Case. The annual Case-Reserve Football Dance was sponsored again this year by Blue Key in conjunction with the Warion Society of Reserve. The Freshman-Sophomore Bag Rush, also directed by Blue Key, was staged with its usual delirious results.

Members of the organization are chosen for their interest and diligence in campus activities. The new men are chosen annually in the spring. Fortnightly meetings are held at which time plans and actions are organized.

First Row—Zentgraf, Nicholl, Fiordalis, W. A. Crawford, Pekarek, Hunt, Hildreth, Findeisen, Jamieson

Second Row—Dowden, Haynam, Carlson, McCorkindale

Third Row—Snow, C. F. Wood, LaMarche, Hoffman, D. F. Horsburg, Winslow, Chapman

Fourth Row—E. T. Nord, Neville, Lawler, Brohl, Sutton

Not Pictured—Melick, Newell, Rau, Weiss, Sharpe

Seated—Chapman, Rau, Dowden, Prof. Young

Standing—Prof. Thompson, Nicholl, C. F. Chapman, Prof. Mills

Not Pictured — Sutton, McCorkindale, Mr. J. J. Moore, Prof. Prutton

The Board of Publications, a governing body in which is vested complete control over all Case student publications, is composed of both students and members of the faculty. Established in 1931, the board consists of twelve members, six representing the faculty and six from the student body. Faculty members are appointed for an indefinite term. The student members automatically achieve membership when they are chosen in the spring of each year to head the campus publications.

The board has many important duties to perform throughout the year, foremost of which is to coordinate the aims and activities of these journalistic organizations and to see that they serve the majority of the student body to the fullest extent. In addition, the board has many routine duties to perform, such as, formulating policies to be followed, passing on decisions concerning the publications, supervising the activities of the member organizations, acting as an advisory council, and interviewing and selecting candidates to head each of the publications on the campus.

BOARD OF PUBLICATIONS

Bill Rau - Business Manager George Chapman - - - Editor

BUSINESS STAFF

Kuenhold J. A. Voss MacKay

DIFFERENTIAL

Standing—Boeckling, Siskin, Horsburgh, Blackmore, LaMarche, Hoffman, W. T. Strickland

Seated—J. A. Wilson, Taub, Neville, Bechtel, Newell

EDITORIAL STAFF

Standing—Rapp, Dana, P. Webb, Buettell, McFate, Ross, Mattoon

Second Row—Epstein, Gogolick, Brooks, Mathers, Larer

First Row—Hook, Seal, Obenchain, Yarham

NEWS SERVICE

The News Service releases stories and photographs about Case activities and Case men to high schools, to home town newspapers, and to various technical and honorary fraternity magazines. Every Sunday some item on student activities or honors may be found in the Plain Dealer "Man on the College Campus" column or society pages. The results of this effort may be seen on the clipping bulletin board in the hall of the main building.

It is the duty of the News Service to maintain the weekly school calendar so there will be no conflicts, post the calendar on the bulletin boards, and distribute it to the faculty. The large Case sign at the drive entrance is also maintained by this organization.

Professor H. R. Young, the faculty adviser, and member of the Board of Publications, offers a six weeks' training course for the tryouts of the Tech, Differential, and News Service. In short the general welfare of the college is promoted by an accurate and dignified presentation of our campus life.

Standing — K. P. Horsburgh, Brooks, Dunasky, Steel, Foldy, Stack, Mendelson

Seated—Hannon, Kelley, Dowden, Bolz

Not Pictured—Burke, Reed, Dowling, Edwards, Heinmiller, Ross, Russell, P. Webb

Seated—Kuemmel, Melick, Stefan, Helen Borsch, Trinter, Ohly, Deutsch, Editor C. F. Chapman, Stack, Kuenhold

Standing—J. A. Wilson, Epstein, W. T. Strickland, Yarham, Blackmore

For the past seven years, the **Case Alumnus** has been awarded a prize of excellence by the American Alumni Council. The purpose of this magazine is to keep Case men throughout the world in close contact with their Alma Mater, and to keep the alumni in touch with one another. **The Alumnus** is the only periodical of its kind which enjoys distribution among both the student and alumni bodies. In order to receive this magazine regularly, a person must either be a member of the Alumni Association or a student enrolled at Case.

An unusual feature is the number of students on the student editorial staff who assist the alumni and their secretary in the editing of the magazine.

The interesting stories and features are accompanied by many unusual photographs which enhance the appearance of the magazine and contribute beauty to its contents.

The Alumnus is distributed throughout the year, the alumni receiving eight copies and the students seven.

ALUMNUS

More than ever this year the Case Tech has served as an information bond linking the students of the college together. Student problems, pro and con, were voiced with an unbiased opinion throughout the pages of this weekly journal. The policy of the paper seemed to be to serve as a gauge of student opinion. Through the function of this policy, many student differences and college problems were brought to an amicable settlement. Variety was added alongside the more sedate articles of the Case Tech in the form of witty columns and diverting feature stories which seem to lend an air of jauntiness to the newspaper.

Under the guidance of the editorship of Robert Sutton, the Case Tech continued to employ the favorable technical composition and editorial technique of publications of the past, besides introducing innovations in these lines which gave the newspaper a more finished appearance. John McCorkindale, as business manager, directed the successful financial department of the Case Tech to complete a profitable year of newspaper organization.

Prof. K. O. Thompson, as editorial staff adviser, and Dr. C. F. Prutton, as business staff adviser, gave valuable assistance in the editing of the Case Tech.

BOB SUTTON
Editor

JOHN McCORKINDALE
Business Manager

THE CASE TECH

BUSINESS STAFF

Seated—Blaha, Steel, McCorkindale, Newell

Standing—McFate, Frensdorf, Devor, W. T. Strickland, Sturges, Crobaugh, Bolz, D. F. Horsburgh, Ohly

EDITORIAL STAFF (Freshmen and Sophomores)

Seated—Stack, Gogolick, Foldy, Patton, Dana, Parker, K. P. Horsburgh, Bachman

Standing—Epstein, Heinmiller, I. A. Greenwood, Micklewright, Veigel, Deems, Dacar, Shaeffer

EDITORIAL STAFF (Juniors and Seniors)

Seated—Winslow, LaMarche, Mendelson, Sutton, Hartzell, Snow, Bechtel, Chapman

Standing—Courtot, Neville, J. A. Wilson, J. A. Voss, Preuss, G. E. Klein, Scott, Dunasky, Melick, Stefan, K. H. Green, Bachlund

ORCHESTRA

SENIORS

Elliott, G.
Lubahn, J. D.
Warner, R. F.
Zaffarano, D. J.

SOPHOMORES

Carpender, W. P.
Cowles, J. H.
Ehrhardt, J. I.
Gilbert, H.
Gustafson, W. A.
Jones, J. F.
Koch, C. J.
Moorehouse, W.
Murphy, M. J.
Patton, O. B.
Seal, R. E.
Schalla, C. A.
Springate, F. E.

JUNIORS

Friedman, S. N.
Hoffman, W. F.
Hookway, R. O.
Jory, E. J.
Mansell, B. E.
Nexon, V. J.
Protiva, R. F.
Wetherald, R. W.

FRESHMEN

Doncyson, R. A.
Horn, C. D.
Kempf, R. C.
Nusbaum, D. R.
Persing, E. C.
Wagner, R. F.
Weinkamer, W. A.

GRADUATES

Miller, G. P.

With almost double the membership of last year, the Case orchestra has made definite strides forward. The addition of eight violinists made it possible to expand the entire instrumentation.

Before a full house at the annual home concert, the orchestra rendered Von Suppe's "Light Cavalry Overture", Fibick's "Poeme", Finck's "Pirouette", and Tschaikowsky's "Sleeping Beauty Waltz". The last number received favorable criticism from the local newspapers.

The profits from the home concert last year were used for the purchase of a much needed grand piano. The large attendance at this year's concert will make possible the purchase of additional equipment during the coming year.

Under the direction of G. F. Strickling and Dr. G. W. Sanford the orchestra has made much progress and is developing into a well balanced unit.

To provide practical experience in public speaking for its members has been the primary function of the Debate Club at Case. The club tries to develop accurate thinking and universal thought. Although established for a decade, it has not assumed a significant position on the campus until recent years.

One of the main topics debated during the past season was, "Resolved, that the United States should cease to use public funds and credit for the purpose of stimulating business".

Successful debates with teams from John Carroll, Akron, Cincinnati, Toledo, Denison, Kent State, Xavier, Hobart, and Western Reserve were high points of a prosperous season. Several intra-club debates were presented before various church and business organizations.

Mr. William E. Umbach of the Case faculty and Debate Club coach, is an executive in the Northeastern Ohio Debate Conference, an important organization in this field. Professor K. O. Thompson is faculty adviser.

First Row—Kaufman, Nexon, Herot, Goetz, Berger, Miner

Second Row—G. E. Klein, Prof. Thompson, Mr. Umbach, Roberts, Weisman

Standing—Loretta, Scheutzow, H. A. Friedman, Reilly, Yohalem, J. A. Wilson, Gregg, Matlow, Esch, Hausmann, S. J. Friedman

DEBATE CLUB

SENIORS

Bennett, W. M.
Conrad, J. C.
Farr, R. H.
Fuller, C. S.
Giloy, E. W.
Hartzell, L. O.
Kopf, F. W.
Neill, R. H.
Pepper, W. E.
Rock, R. J.
Vitcha, E. T.
Yoder, R. D.
Zaffarano, D. J.
Zulak, R. R.

JUNIORS

Barnes, W. M.
Blackmore, R. W.
Bliss, W. M.
Edick, G. W.
Findeisen, J. O.
Gloor, W. T.
Harley, R. E.
Henrikson, K. G.
Herrick, D. B.
Hoffman, W. F.
Hopkinson, H. L.
Horvath, R. W.
LaMarche, P. J.
Lawler, J. F.
MacKay, J.
Mansell, B. E.
Martens, R. A.
Melick, L. L.
Ohly, C. W.
Rogge, R. S.
Swartwout, D. K.
Taub, J. M.
Wetherald, R. W.

SOPHOMORES

Alexander, T. E.
Ambrose, H. H.
Barre, W. E.
Feldmeyer, J. C.
Goetz, J. S.
Graham, G. R.
Kennedy, P. A.
Koch, C. J.
Robin, D. C.
Scheutzow, W. I.
Seal, R. E.
Shontz, W. P.
Snook, R. E.

FRESHMEN

Bruns, W. H.
Buettell, R. B.
Burdick, J. K.
Conrad, G. L.
French, J. H.
Gay, W. F.
Haskins, M. K.
Hayden, H. J.
Johns, C. R.
Kempf, R. C.
Peters, P. H.
Russell, R. W.
Schweitzer, E. O.
Shube, E. J.
Webber, J. G.

GLEE

Climaxing its season with the highly popular Home Concert at Severance hall, the Glee Club of Case School of Applied Science again this year maintained a successful schedule. Interspersed amongst its numerous engagements to sing for various civic organizations were radio broadcasts for Cleveland's air listeners. These performances coupled with diligent rehearsals and various recitals for the undergraduate body formed the bulk of the work of the organization for the year.

Under the directing hand of George F. Strickling the Glee Club has added many new arrangements, both classical and semi-classical, to its repertoire. The Glee Club has continued to hold its position of being a sort of tying link between the cultural and aesthetic education offered by the fine arts and the practical and down-to-earth education of the engineer during his college career.

A heartening point in the conduction of the Glee Club was the enthusiastic student response it received. A large turnout of students greeted the call for tryouts and all through the year student support was willfully forthcoming whenever called for.

CLUB

SOPHOMORES

Arms, R. J.
Beckwith, R. W.
Bird, F. L.
Carpender, W. P.
Cherry, A. R.
Curtis, R. W.
Gilbert, H.
Goetz, J. S.
Gustafson, W. A.
Herter, R. E.
Hook, R. T.
Howson, R. C.
Jones, J. F.
Keska, K. R.
King, A. H.
Klein, G. M.
Koch, C. J.
Larer, D. P.
Mathers, W. D.
Moorehouse, W.
Myers, G. E.
Parker, K. R.
Patton, O. B.
Quigley, J. H.
Robin, D. C.
Schwary, R. E.
Seal, R. E.
Snook, R. E.
Van Horn, I. H.
Wahl, W. L.
Wilson, L. F.

SENIORS

Harlow, H. W.
Kopf, F. W.
Lacey, J. I.
Milde, N. H.
Olmsted, R. H.
Warner, R. F.

JUNIORS

Hamilton, J. L.
Hoffman, W. F.
Hookway, R. O.
Horvath, R. W.
Neidart, J. J.
Potter, F. T.
Protiva, R. F.
Schanzlin, E. H.
Swartwout, D. K.
Wetherald, R. W.

FRESHMEN

Burhans, C. W.
Doncyson, R. A.
Duering, K.
Frohmberg, R. P.
Hanley, D. F.
Hausmann, F. A.
Hayden, H. J.
Herot, F. C.
Hitchcock, L. B.
Horn, C. D.
Mowry, L. J.
Persing, E. C.
Redmond, D. J.
Sebesta, W. E.
Shaeffer, M. H.
Strough, R. I.
Swartwout, C. J.
Wagner, R. F.
Weinkamer, W. A.

BAND

Again this year the Case Brown and White marching unit, under the leadership of George F. Strickling, (but led by nine-year old Joan Strickling) paraded ostentatiously through a colorful season.

Distinguished by their flair for unique and intricate formations, the band provided additional color for the Saturday football crowds. One of their unique marching arrangements was the "transit" formation. In this display the band marched on the field in the form of a surveyor's transit.

Mr. Strickling introduced many new tunes into the repertoire for the season. Whenever these tunes, some of them swing arrangements, were played, they received the warm approval of the listeners.

In addition to their marching and practice routine, the band was kept well occupied during the season with a radio rally broadcast, student concerts, and field trips.

CAMPUS CLUB

First Row—Pearn, Steel, Smallwood, D. C. Wise, Spandau, Jiminez, Jamieson, Engler, Jackson, Schumar, C. L. Crawford, Noragon, Lubahm, Van Vessem

Second Row—Heisler, Madsen, Hauser, Komit, DePould, Heinmiller, Peltier, Wood, Mills, Bliss, Milde, Fuller

Third Row—Bachman, Robinson, Zalazo, Peterca, Lachowski, Soper, Doubrava, L. F. Green, Gay, Tischler, Jahnusiewicz, Beears, E. D. Peters, Wilver, Krejci

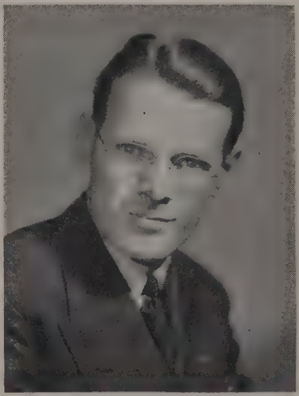
Fourth Row—Hamlin, Roberts, Bolz, C. A. Meyer, Henrikson, Bressler, Gloor, Martens, Moorehouse, Rogell, Toman, K. H. Green, R. T. Wise, Barnes, Cerne, G. Elliott, Bemis, Melby, Hansen, Kaminskas

Fifth Row—Preuss, Laurich, Larsen, Graham, Morse, Bartlett, Scherba, D. C. Taylor, James, Ross, Radis, Vyhnalek, Silsby, Arant, Devor, Bendel, Bettcher, N. S. Carlsen, D. K. Taylor, Fettu, Zulak, Horne, R. G. Keller

Sixth Row—W. M. Bennett, Juvinall, Morgan, Barkley, Phillips, Thoman, Aspman, Sisak, Zipf, P. White

The idea of an organization for students not belonging to social fraternities originated with John Van Vessem ('39) and James Schumar ('39). Late in 1938 these two seniors discussed the idea with the dean, the president, faculty members, and students. They found the opinions favorable in all cases. A nucleus for the club was formed by inviting prominent non-fraternity men in the various departments on the campus to participate in meetings at which the purposes and organization of the club were to be formulated. Several meetings of this small group of about twenty students were held before any attempt was made to enlarge the membership.

The purposes of the club were set down as follows: (1) to encourage the non-fraternity students to participate in school activities; (2) to organize intra-mural athletic teams among the non-fraternity students; and (3) to provide an opportunity for non-fraternity students to attend more social affairs.



PROF. R. R. SLAYMAKER
Faculty Adviser

When the organization of the club was well under way, an assembly was held to which the school at large was invited. It was then that the new organization was explained. Shortly after this an evening meeting was held for the purpose of getting the membership and activities of the organization under way. All non-fraternity men so desiring were taken in as members. The cabinet was elected, athletic teams were organized, and a tentative program of events was presented.

The officers for the current year were elected and a name, The Campus Club, was chosen for the organization. The constitution was drawn up partly, by the group and partly by the committees working on separate phases of it.

PHOTOGRAPHY CLUB

First Row—Courtot, Ponstingl, Patton, Cieslik

Second Row—Koch, Cherry, Quittner, Hamilton, Beatty

Not Pictured—R. C. Friedman, Maursky, W. A. Meyer, Collins

FLYING CLUB

First Row—H. D. Bennett, Donovan, Bechtel, Vaughn, Inst. Pierce

Second Row—Eichler, Newton, Albrecht, Knuff, Prof. Weske

The civil engineering students of Case have the privilege of enjoying membership in two national engineering organizations, the American Road Builders Association, and The American Society of Civil Engineers.

Regular meetings of both organizations are held in the Case Club lounge at which time prominent professional men in the various fields of civil engineering speak on subjects pertinent to the civil engineer. Students usually participate in a discussion of the topics presented, and much valuable knowledge is thus acquired. Another important function of each organization is the sponsoring of various inspection trips to places of importance in the eyes of the civil students. Such a trip was the one sponsored by the Case chapter of the American Society of Civil Engineers to the Republic Strip Mill last fall.

A. S. C. E.

Bottom Row—Tapleshay, Newton, Dreifort, Klitz, Ambrose, L. F. Green, Rau, Obenchain, Mansell

Second Row—Schmidt, Peters, McClarran, Engler, Yohalem, Reske, Carlson, Weiss, Lynch, Robin, Susz

Third Row—Peltier, Gustafson, Blaha, Weissman, Jackson, Tacl

Fourth Row—Hamlin, Robb, Converse, Noragon, Lloyd

Fifth Row—Snow, Hunt, R. L. Wood, Ott, Katz, Vanderhoof, Brosta, E. C. Vogt

Sixth Row—C. M. Cowles, Pontius, Deems, Gifford

Not Pictured—Haag, Mast, Zentgraf, Compton, Cordes, Esch, Parnin

A. R. B. A.

The A. S. C. E. is the oldest professional engineering society in the United States. This chapter played host to the chapters of Akron and Ohio Northern Universities at the final meeting of the year at which the main feature was the explanation of senior theses.

In 1903 the American Road Builders Association was founded for the express purpose of studying and discussing all phases of highway engineering. The Case student chapter was founded two years ago.

During the last three years the A. S. M. E. has carried on a campaign to place the organization and its facilities more prominently before the students of the mechanical department. This year, under the leadership of Professor G. B. Carson, the club has climaxed an unusually successful membership drive with one of the most active and effective years of its existence.

The object of the Case student branch of the American Society of Mechanical Engineers, which was known as the "Mechanical Club" prior to 1933, is to give mechanical engineering students an opportunity to familiarize themselves with modern engineering and its related problems. This is accomplished by the association of the student members with the senior members of the society. In addition, the student members receive the magazine, "Mechanical Engineering", published monthly by the society.

This year the Case student branch was host to the Allegheny Student Conference. Other activities included picnics, suppers, treasure-hunts, inspection trips, and meetings in which either students or outside guest speakers presented speeches or lead discussions.

The 1938-39 officers of the student branch were: Professor G. B. Carson, honorary chairman; R. J. Rock, '39, chairman; D. F. Horsburgh, '40, vice-chairman; W. T. Gloor, '40, secretary; and R. R. Bosworth, '39, treasurer.

A. S. M. E.

First Row—Courtot, W. A. Crawford, R. G. Denton, Todd, Heddleson, Wilber, R. H. White, Taber, Ganger

Second Row—W. M. Bennett, Juvinall, Haynam, Hildreth, Johnson, Hendricksen, Skidmore, Van Hamersveld, Spence, Rock

Third Row—Fromson, R. G. Keller, Robbins, Pelton, Bosworth, Scheucher

Fourth Row—Herwald, Theiss

First Row—Squire, Herrick, Jones, Sheflin, Donovan, Keska, Heine, Pearn, Lawler, Deutsch

Second Row—Graham, Hookway, Kuemmel, Bechtel, Sicherman, Martens, J. R. Williams, Critzer, Eichler, R. C. Wilson

Third Row—R. R. Strickland, Schalla, Marble, Boeckling, Albrecht, Andersen, Meyer, Kocmit

Fourth Row—Horsburgh, Cherry, Harley, Wood, Cook, Sampson, Potter, Blakeslee, DePould

Fifth Row—Oberst, Morse, Jacklitch, Gloor, Formals, Edick, Moore, Monti

A. I. E. E.

First Row—Winterich, Happy, Steinfeld, Fagnan, Soper, DiVincenzo, Bobula, Giloy, Middough, Milde, Weidenkopf

Second Row—Hoerneman, Gardiner, Kojan, Neidhart, Borkowski, Denby, Toman, Mendelson, G. Elliott, Mills, Kohn

Third Row—Wetherald, R. H. Denton, Melick, Spandau, Swack, Lachowski, Charpentier, Gilliland, Swartwout, D. G. Beears, Prof. Martin, Harding, Zulak, Dudek, Mikos, Duff, Semon

Listed among the achievements of the student branch of the American Institute of Electrical Engineers at Case School of Applied Science is the fact that one hundred per cent enrollment from the senior and junior electricals has been attained this year. Functioning under the guidance of their new adviser, Professor J. R. Martin, this organization has continued its policy of developing student initiative and expanding the scope of the undergraduate viewpoint in matters pertaining to the advance of electrical engineering.

Periodic seminars, during which student discussions upon contemporary problems are held, is the method used by the Case branch of the A. I. E. E. to acquaint the student members with the correct procedure in presenting technical expositions. Another benefit derived from these meetings is the familiarization of the ideas and notions of their fellow classmates. Thus, they obtain a more general conception of the problems facing the electrical engineer of today.

The Pick and Shovel Club is the oldest departmental organization on the campus. It was founded for the purpose of promoting a closer bond of friendship between the members of the department.

The club under the direction of faculty adviser, Professor K. H. Donaldson, has improved its club rooms markedly in the past year. The room, augmented by additional and better furniture and a fresh coat of paint, the latter presented by the sophomore initiates, shows great improvement over its previous condition.

Meetings are held at intervals during the year. At these meetings outside speakers address the group on pertinent metallurgical subjects or movies depicting industrial methods and advancements are presented. A highlight of the social aspect of the club took place this year when the club was invited to a dance at the home of President and Mrs. William E. Wickenden during the holiday season.

The officers for the past year include William Winslow, president; Vincent Fiordalis, secretary-treasurer. The newly elected officers consist of Max Brumagin, president; Peter Stefan, vice-president; and James Quarrie, secretary-treasurer.

First Row—Pekarek, Kelley, Vargo, Taub, Sibbison, Weisman, Pfeifer, Pugh, Ebert, Glickman

Second Row—Angart, Fiordalis, Jacobs, Winslow, Tatousek, Protiva, Hippler, Stefan, Hook, Shontz, Vanas

Third Row—Seal, Sutton, R. L. Elliott, Brumagin, McMillan, Hamilton, Garrison, Romano, Chapman, LaMarche

Fourth Row—Quarrie, Fox, Stack, Hess, Johnson, Howard, W. T. Strickland

PICK AND SHOVEL CLUB

Hickox, Franks, Karash, Horvath, D. J. Zaffarano, J. A. Wilson, Gregg,
G. E. Klein, Adams, Fitzwilliam, Winkel, Bungarda

LAMBDA CLUB

In an effort to widen the scope of their purpose of fostering closer social and professional contact among students and faculty, the Lambda Club this year has decided to admit second semester sophomores into the organization. This innovation to the former procedure of the club in initiating only juniors and seniors will put the sophomores in the position of associate members.

The Lambda Club, whose official capacity is that of serving as the departmental social group for those undergraduates majoring in physics, is under the guidance of Professor R. S. Shankland of Gregg, president; E. Winkle, secretary; and D. J. Zaffarano, pro-
Gregg, president; E. Winkle, secretary; and D. I. Zaffarano, program chairman.

Aside from their social function and general "get togethers", the club at numerous intervals conducts student colloquiums on subjects related to the theoretical and practical applications of physics in modern industry and science.

First Row—Hanson, Elsby, Grimble, Devor, Bettcher, Zipf, Sharpe, Anders, Harlow, Feldmeyer, Smith, Gay, Nicolaides, Seaton

Second Row—Clary, Gilbert, Edgar, Bigelow, Gable, Goetz, Backlund, Bendel, Vyhnalek, Carpenter, Larsen, Hansen, Gottehrer, Legat, Parker, Laurich, Morgan

Third Row—Snyder, Dumasky, Basl, Bemis, Kulow, Crandall, Heisler, Bulan, Lev, Benson, Brashear, Bork, Preuss

Fourth Row—Wilson, Erikson, C. Fuller, Schrauf, Cline, Silsby, Stuhr, Loretta, Naylor, K. H. Green, Melcher, G. M. Klein

Fifth Row—C. F. Wood, Lange, Bell, Balharrie, Gow, Aspman, Hartzell, Brennan, C. I. Vogt, H. A. Friedman, Roth, Schmid, Bliss

Sixth Row—Luther, Romilly, Friedel, Yarham, Larer, Hollopetre, S. J. Friedman, Reilly

Seventh Row—(in shadow) Siskin, Scott, Golrick

Not Pictured—Scheutzow, Veigel, S. F. Williams, Moorehouse, Balogh, Christorpherson, Muehlberg, Pasek, Whitehead, R. L. Fuller, Gordon, Lacey, Melby, Selker, Klamm

A. I. Ch. E.

The Case student chapter of the American Institute of Chemical Engineers is composed of sophomore, junior, and senior chemists. The organization, whose faculty adviser is Professor C. F. Prutton, has now completed its third year of existence, replacing the former Alembic Club. Professors W. R. Veazey and C. F. Prutton secured the student charter from the national organization of the A. I. Ch. E.

A joint dinner meeting is held every month with the Cleveland professional chapter in addition to the regular student meetings. Each dinner meeting features a speaker who is a professional member. An annual Christmas party is the top ranking affair of the year. The president of the student chapter for the year was H. C. Bendel.

The organization, during the second semester, was actively engaged in transporting all its files and equipment to special quarters in the old chemistry building. Thus at the completion of the new chemistry building the A. I. Ch. E. was enabled to obtain permanent private headquarters and a room to themselves.

ATHL

ETICS

ATHLETIC ASSOCIATION

Every major and minor sport at Case is ably directed and managed by the Athletic Association, comprised of two faculty members and eight seniors.

Under the capable and experienced leadership of its president, Professor C. L. Eddy, the association sees to all pre-game arrangements and requirements, handles ticket sales, grants all athletic awards, and controls all athletic expenditures. The association does not, however, schedule the games, this being done by the Board of Directors of the college.

Standing—Ganger, C. F. Wood, S. J. Friedman, Dowden, R. L. Elliott
Seated—Prof. Eddy, Prof, Putnam, Snyder
Not Pictured—W. A. Crawford, Winslow

The Athletic Association's coffers are filled from two sources, partially from the student activities fee and partially from the sale of tickets at football and basketball games, which are major sports of the college. No reserve fund is saved each year because the association has a budget which supports football, basketball, swimming, fencing, track, wrestling, and tennis.

The two faculty members are Professors Eddy and Putnam. The student members of the association are selected by the faculty members on the basis of their interest and ability during their tryout period, which is the junior year.

COACHES

Left to Right—Coach H. R. Kyr, Prof. R. A. Ride, Prof. C. B. Sharer, Dr. D. A. Chambers, Prof. C. L. Eddy, Coach N. S. Allmen, Coach J. J. Carlin

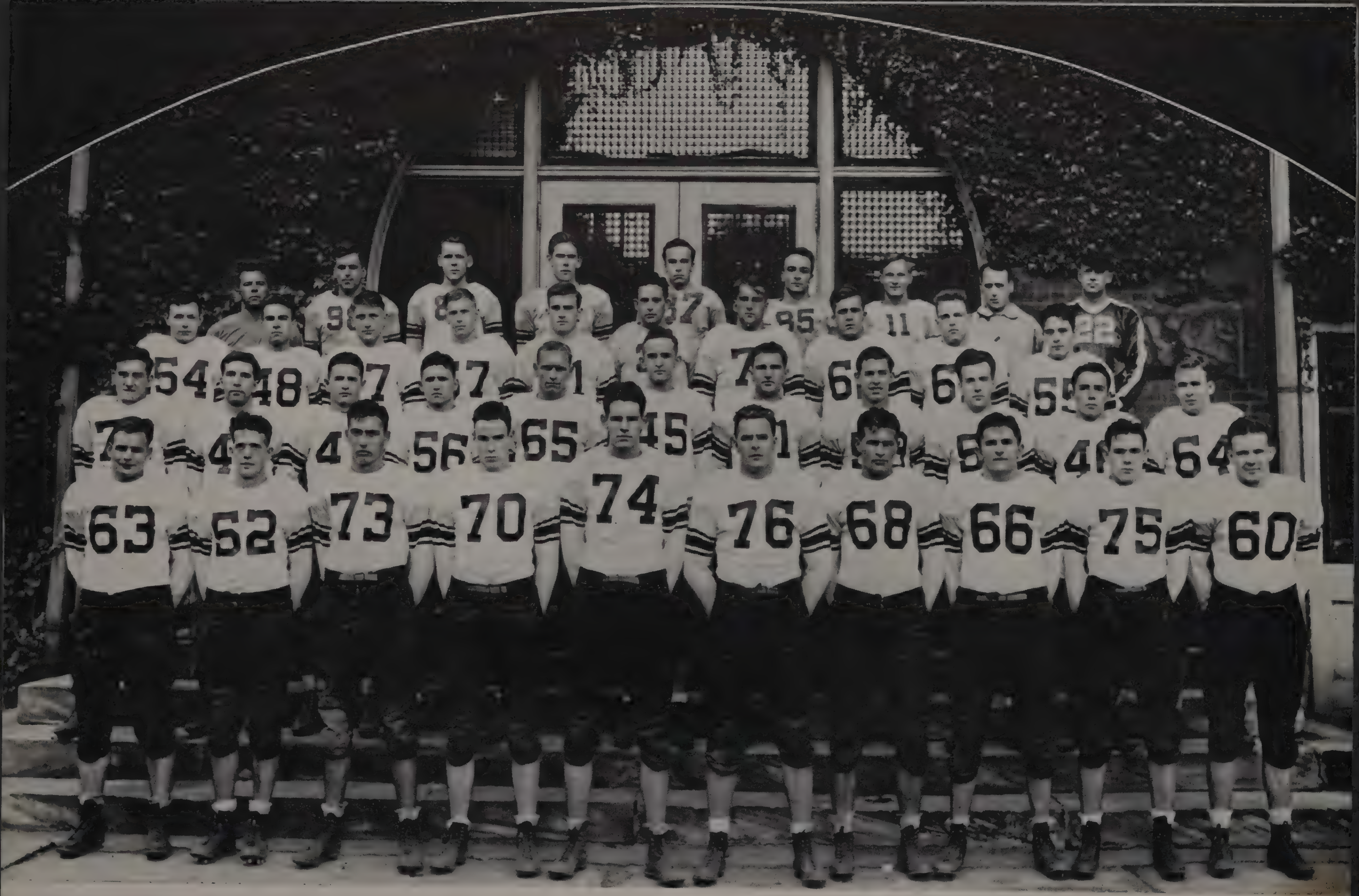
Led by Professor Ray A. Ride, Director of Athletics, sports at Case have shown great progress in recent years. The coaches who are chiefly responsible for this progress are Professor Ride, who guides the footballers through their intricate drills; Professor Claude Sharer, who, in addition to his physical education classes, coaches track, wrestling, and cross-country; Coach J. J. Carlin, who assists in coaching the footballers as well as in directing the activities during the basketball season; Coach Harry Kyr, who leads the mermen; and Coach Stan Allmen, who guides the freshman football and basketball teams. Doctor Chambers, the health director, and Professor Eddy, the financial director, complete the list of those who lead Case sports.

Cheerleading, long one of the important fall activities, this year became more prominent than ever. Seven of our eight football games were played at home, giving the "yell squad" a much better opportunity to work before the entire student body. This they did with remarkable coordination, experience, and sportsmanlike attitude.

The present interest in cheerleading was demonstrated by the large number of tryouts, and by their zeal and zest. Practices were held every Tuesday after school and on Saturday before the football games. There is no doubt that they have inspired both the team and the students, and their presence at rallies and games was greatly appreciated.

Howard, Rock, R. H. White, Melick
Not Pictured—Quarrie

CHEER LEADERS



Front Row—Carlson, S. H. Greenwood, Klajbor, McCord, G. H. Walter, Zentgraf, Poremba, Vanas, Weiss, Halloran
Second Row—Schumar, Vanderhoof, Eichler, Schupska, Albrecht, Rogge, Dull, Shafer, Schweitzer, Spangenberg, G. E. Johnson
Third Row—R. G. Denton, Rogell, Nurnberger, Oatis, Wistar, Strawn, Susz, J. A. Voss, Higgins, Barclay
Fourth Row—Coach Carlin, Vargo, Gifford, Harley, Fox, Fiordalis, Ciehanowicz, Dr. Reese, Coach Ride

ROUGH RIDERS

Case	53	Findlay	0
Case	0	Lehigh	0
Case	0	Wooster	0
Case	0	Carroll	14
Case	13	B.-W.	20
Case	12	Miami	27
Case	45	Oberlin	0
Case	3	Reserve	13

Piling up the largest score any Case team has made since 1908, the Rough Riders opened their 1938 football season by trouncing Findlay, 53-0 at VanHorn field.

Quick to take advantage of a Findlay fumble on the second play of the game, Case exhibited a deadly aerial attack and a crushing ground game to score at will upon its bewildered opponent.

In gaining 362 yards to 64 for Findlay every Rough Rider saw service.

Despite the fact that Case and Lehigh tried all their offensive tricks, the third game of their series ended in a scoreless tie.

Power plays and forward passes that clicked in midfield failed in the pay-off territory near the goal. The scientists were thwarted at one time on the six inch line.

The moral victory was Case's. The Rough Riders surpassed the Engineers from Pennsylvania in every statistical department except punting, collecting twelve first downs to six for Lehigh and 233 yards to 135 for Lehigh.

"LES" BALE '08 MEMORIAL AWARD

Awarded to Carl A. Carlson

Before a migration day crowd the Wooster Scots battled the Rough Riders to their second successive scoreless tie on VanHorn field.

Playing under a broiling sun, the Scots' fast charging line had the Scientists' forward wall on the defensive for a major portion of the second half. Case's only threat was an advance to the Scots' 30 yard line in the opening minutes of play. In stopping Wooster's offensive threats, the Engineers' lines displayed fine defensive qualities.

CASE ROUGH R

Top—Wistar, Eichler

Center—McCord

Bottom—Susz, Mickel, Weiss

In their first Big Four game, Case met Carroll at the Cleveland Stadium before a crowd of 11,000. The first half went uneventfully for both teams, the ball being kept pretty well in the middle of the field.

Carroll received the kickoff which started the second half. On the second play Arsenault, star Carroll halfback, took the ball and swept wide around his right end for 45 yards and a touchdown. Malia's place-kick for the extra point was good.

Carroll gained their second score as a result of a drive in which Hoctor, Young, and Estnick collaborated in placing the ball on Case's 45 yard line. From here Estnick cut wide around his left end, sprinted through the secondary, and crossed the goal line standing up. Although Carroll was penalized time after time Case was unable to score or even threaten. The last quarter saw Schweitzer, Case halfback, doing considerable passing but with no great success.

DERS OF '38—'39

Top—Zentgraf, Schumar

Center—Fiordalis, Halloran

Bottom—G. H. Walter, S. H. Greenwood, Carlson

Losing their second consecutive Big Four game of the season before an enthusiastic homecoming day crowd, the Rough Riders of Case dropped a close battle to the Yellow Jackets of Baldwin-Wallace by a score of 20-13.

Outplaying the Bereans in every way except passing, Case desperately fought to overcome the 13-0 margin given to the Yellow Jackets in the first quarter as a result of three fumbles by the Engineers.

Passes by Schweitzer, Schupska, and Shafer, and an intercepted pass by Vanas gave Case touchdowns in the third quarter and found the score standing at 13-13. In the final period, Baldwin-Wallace made a last desperate effort to score, and after taking the ball from Case in their own territory, marched down the field. Arnold carried the ball over from the one foot line for the deciding margin of the game.

Case's stone-wall line held true to its reputation, two of the three Yellow Jacket touchdowns being made on passes. Case's touchdowns were made by Schupska and Shafer. B-W's greatest threat was the Arnold to Kobie passing combination. The game ended with the ball in the possession of B.-W. deep in their own territory.

CASE ROUGH R

The Case Rough Riders held the Miami Indians scoreless the first quarter, but within a few minutes after the start of the second quarter Williams turned the game into a track meet by racing 60 and then 77 yards for two touchdowns. Continuing this pace Miami backs repeated Williams' performance by racing 85 and 65 yards for two more scores leaving the score 27-0 at the half.

Following the half, Case took to the air and finally scored two touchdowns. The first came on a 50-yard pass from Shafer to Weiss who went across unhindered for the first score. The second score came late in the last quarter when a pass to Walters, though not caught, was placed on the Miami 3 yard line because of interference with the pass receiver. From this point Shafer plunged over to bring the score to 27-12.

Vanas, Nurnberger, R. G. Denton, Vanderhoof, Poremba, Schweitzer

DERS OF '38—'39

The Rough Riders, who had not been victorious since their opening game, gained the win column again when they bowled over the Yoeman, 45-0 before a migration day crowd.

Scoring in each period with an attack that netted seven touchdowns, the Engineers handed Oberlin its worst defeat in their rivalry with Case which began in 1891. The triumph was also the ninth straight for the Scientists in the long series which ended temporarily this year. Case has won 18 games, Oberlin 26 and 2 were ties.

The Rough Rider attack was led by Art Schupska and Jack Shafer. Schupska broke loose for three touchowns while Shafer, though scoring only once, inspired the Engineers' offensive. Greenwood, Carlson, and Weiss scored the other touchdowns.

Voss, Klaiber, Albrecht, Spangenberg, Shafer, Schupska

RESERVE GAME

With a frozen field tending to equalize the strength of a fighting Case team with that of the greatest Reserve eleven in history, the Rough Riders met the Ret Cats in the 46th renewal of their football rivalry.

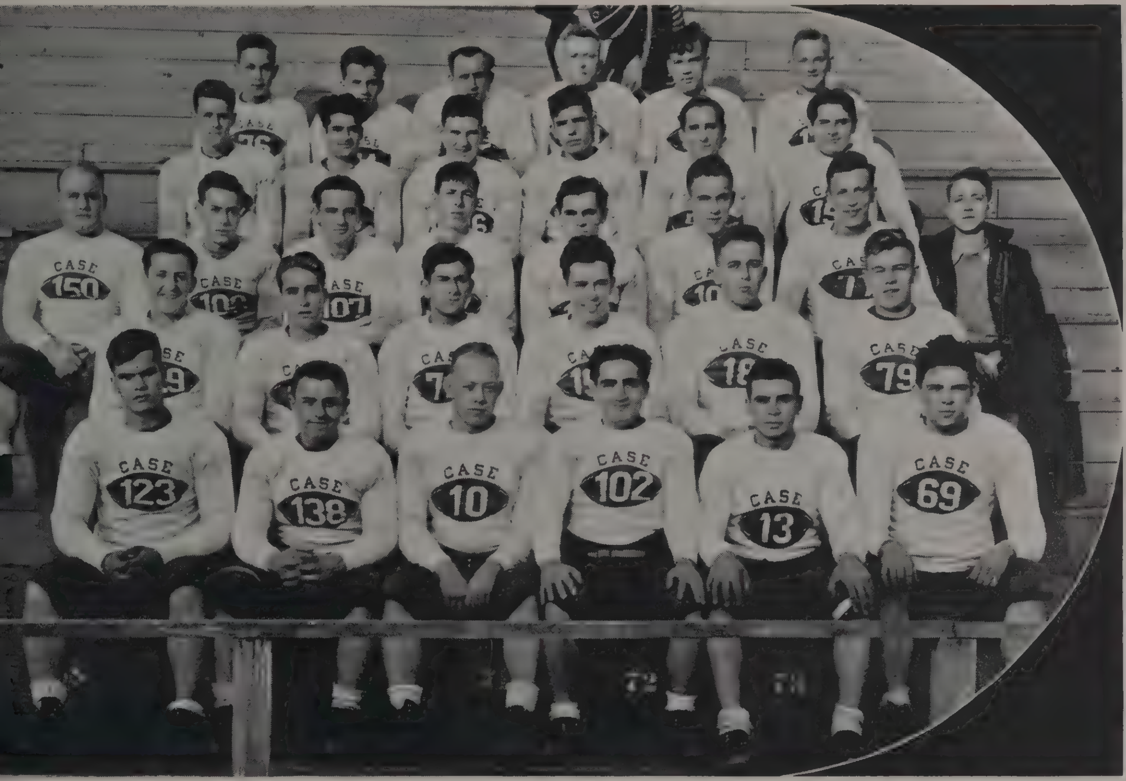
On the second play of the game, the Rough Riders grabbed a break, and Art Schupska booted a field goal from the seventeen yard line to start Case off with a 3-0 lead. Immediately Reserve began to turn on the power, but the hustling Rough Riders were not to be beaten so easily.

For three periods they kept the play in Reserve territory a large part of the time; then the tide swerved. The Reserve forward line broke through and blocked a Case punt just as the third period ended. Then under the leadership of Johnnie Ries who refused to be knocked off his feet on a gridiron that defied the cleats of every other back, the Red Cats staged a 67 yard march to a touchdown in the opening minutes of the fourth period.

Case then began a desperate passing attack, but Brady Sullivan, Reserve center, made an interception to start the Red Cats goalward once more. The game ended shortly afterward, and although the Ridemen had been defeated, their fine performance won for them the respect of all who witnessed the encounter.

FRESHMAN FOOTBALL

First Row—Brewer, Mlchovsky, Bigam, Nardi, DiTirro, Ward
Second Row—Greenleaf, H. D. Hunt, Copland, Schutt, Campbell, Konker
Third Row—Coach Allmen, Price, Marek, Blewitt, G. L. Conrad, C. G. Johnson, D. E. Taylor, Mgr. Schulke
Fourth Row—W. D. Bennett, Wright, Killian, D. L. Walter, Scherba, Payne
Fifth Row—D. A. Miller, Haag, Yurcheshen, French, Bock, Rupp



Those men interested in playing football, and in earning their freshman numerals, began practice the first week of October, and continued with tri-weekly workouts until the completion of football season. In practices, in addition to scrimmaging with the varsity, drills of a fundamental nature were emphasized.

The high spot of the season was a 7-0 victory over the John Carroll frosh. Mike Yurcheshen was the standout for the Brown and White. While on the dead run he pulled a long pass out of the air and ran the remaining 20 yards for a touchdown.

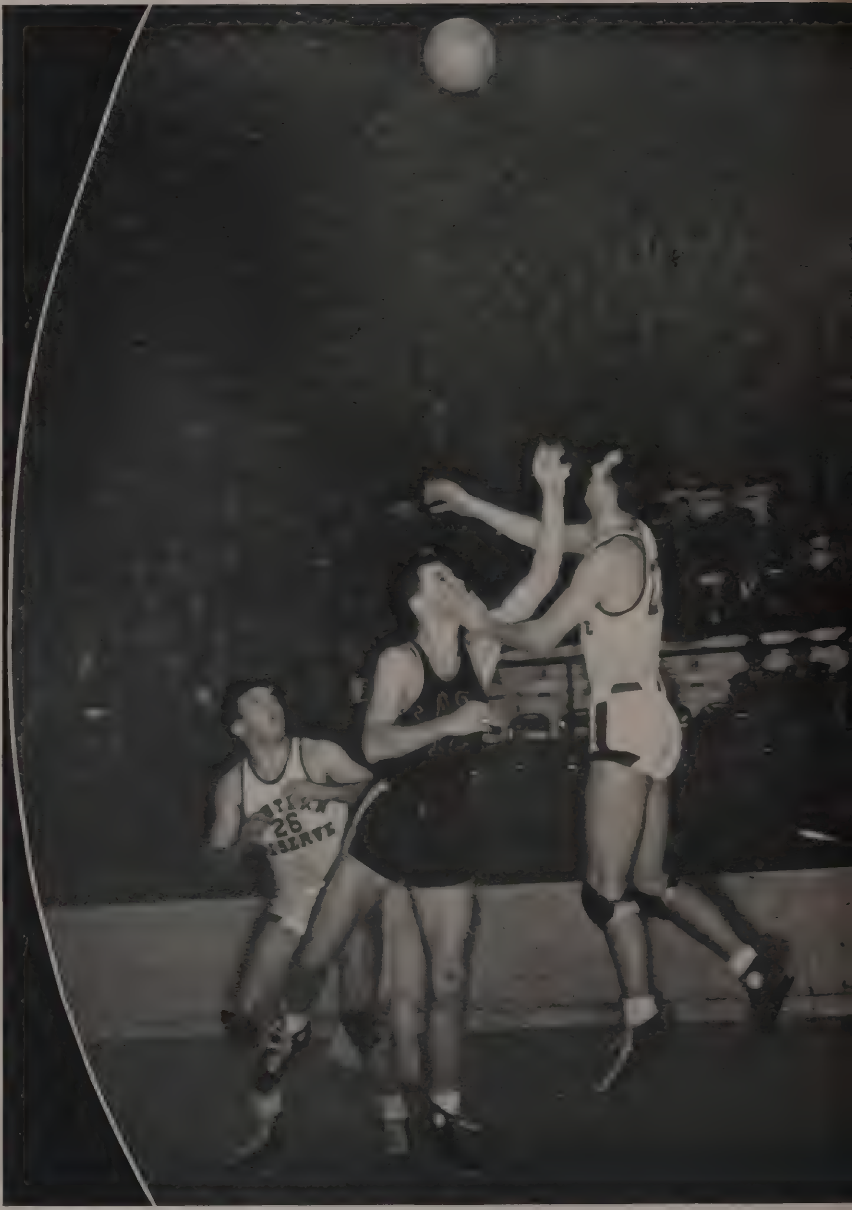
The following freshmen were awarded their numerals: John French, Chuck Stohl, Don Walter, Warren Rupp, Harry Hunt, Mike Yurcheshen, Norman Nardi, Don Taylor, Nick Ronges, Emil Scherba, Bill Bennett, Frank Bock, Ed Campbell, Jack Brandt, Bob Melreit, Clinton Greenleaf, Howard Mlckovsky, Glen Konker, Irvin Copland, Bill Brewer, Bob Ward, Joe DiTrro, Jack Wright, Bob Shutt, Pat Jankowski, and Ken Killian.

BASKETBALL

Case's Rough Riders opened one of their most successful seasons by losing a close battle to the alumni by a score of 51-50. The Carlinites showed tremendous possibilities in this game in which Herm Weiss, Arnie Haynam, and Bill Heckman, a sophomore find, starred.

Opening the competitive season against Baldwin-Wallace the Riders scored their first win by edging the Yellow Jackets by a score of 26-25. Herm Weiss starred in this victory which keynoted a successful Big Four season for the Scientists.

Oberlin then breezed into town with a peppy little band of Yeomen. Casey's engineers, however, were going great and from the first to the last basket of the game, they were never seriously threatened. The final score was 52-34 for the Rough Riders.



The Bucketeers then met the Miami Redskins in a torrid battle at Latin gym, and emerged victorious by a score of 38-36. Herm Weiss dropped five points through the hoop in the last two minutes to lead the boys to victory.

Case's Rough Riders continued their quest for the 1939 Big Four and Ohio Conference titles by trouncing a strong John Carroll team 36-30. The Blue Streaks had taken an early lead, but the Carlinites surged back to score an impressive triumph. Weiss and Heckman tied for scoring honors, while Walter played a fine defensive game.

The Scientists avenged last year's overtime defeat at Mt. Union by a lopsided 48-24 victory over their Alliance foes. The Carlinites took a commanding lead at the outset of the game and then kept doubling their opponent's score throughout.

The Rough Riders ran their string of consecutive wins to six as they downed Ohio Wesleyan in a hotly contested affair, 47-43. The finish of the game saw Wesleyan close with a rush that nearly snatched the victory from the Carlinites. Herm Weiss hit his high mark of the year swishing 22 points through the net to lead the scorers.

Tackling Reserve at the Arena in their third Big Four game, the Bucketeers went into a tailspin after a close first half and absorbed a 57-30 shellacking at the hands of the Red Cats. The defeat was Case's first of the year. The second half of the game saw Reserve shots sink from all angles of the court while the Case attempts just missed fire.

For their next three encounters the Riders journeyed down state and tackled Muskingum, Wittenberg, and Wooster. Muskingum avenged last year's 41-40 defeat at Case's hands by submerging the Scientists 48-27. The Wittenberg game was a thriller throughout and the Lutherans edged the Carlinites by three points 39-36. At Wooster the Scientists were again defeated, this time by a 46-38 score. Pudge Hole, all-Ohio Conference choice for forward, led the Scots to victory.

Returning to the Big Four wars, Casey's Scientists ran into the Blue Streaks at their best and succumbed to a 47-36 defeat. The Streaks, paced by Spallino and Rudich,

(Continued on Page 102

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gained an early lead which they never relinquished. Although the Rough Riders rallied to within four points of the Streaks in the second half, Carroll checked the advance and iced the game with a final spurt of scoring.

Meeting Baldwin-Wallace for the second time this season the Carlinites walloped the weak Yellow Jackets by a 59-30 score. It was the third Big Four win for the Scientists and kept them in a tie for second with John Carroll.

Findlay's Oilers were Case's next opponents and the Rough Riders easily defeated them 46-35 at the Oilers' gym. Gene Walter starred both offensively and defensively and played a big part in this win.

Entering their final game of the season with an opportunity to tie for Big Four lead, a fighting Case team refused to accept defeat and soundly trounced Reserve 46-39 after an hysterical overtime period. By conquering the Red Cats, Case threw the Big Four race into a three-way tie with Carroll and Reserve. This game saw one of the greatest rallies ever witnessed on a collegiate basketball floor, when the Scientists came from behind to score 25 points to Reserve's 4 in the last 19 minutes including the overtime.

Case's record of nine wins and five defeats was by far the best of any college in the Cleveland district. This is a record that we at Case can be proud of and Coach Jeff Carlin is to be complimented upon the fine showing of this year's team.

	Case	Opponents
Alumni	50	51
Baldwin-Wallace	26	25
Oberlin	52	34
Miami	38	36
Carroll	36	30
Mt. Union	48	24
Ohio Wesleyan	47	43
Reserve	30	57
Muskingum	27	48
Wittenberg	36	39
Wooster	38	46
Carroll	36	47
Baldwin-Wallace	59	30
Findlay	46	35
Reserve	46	39

First Row — Melreit, Konker, D. E. Taylor, Zelazo, French

Second Row—McClarran, Kamuf, Honroth, Mlckovsky, Messner, McFate, F. C. Thompson, Newton

Third Row—Slater, Sherlock, Burdg, Greenleaf, D. L. Walter, Campbell, Yurcheshen, Coach Allmen

FRESHMAN BASKETBALL

This year's turnout for the yearling basketball squad was the largest of recent years. Consequently, Coach Stan Allmen retained a large number in his search for varsity talent. During their Tuesday and Thursday night workouts, in addition to practicing in the Case Club, the squad followed the previous year's system of scrimmaging with the varsity at Latin gym, and opposed outside quintets. This year the frosh met Shaker Heights, Cleveland Heights, and Shaw High Schools. They also participated in all the preliminary games before the varsity home contests.

Those members of the squad who received numerals are: R. B. Butler, E. M. Campbell, I. Copland, J. H. French, A. D. Gildemeister, G. E. Konker, C. W. McClarran, W. M. McFate, R. V. Melreit, J. E. Messner, D. E. Taylor, and M. Yurcheshen.

Although next year's varsity will be hard to break into, the vacancies which do occur will be capably filled by men from the class of '42.

Seated—Carlson, Vanderhoof, Jamieson, Jimenez, Sorber, Kaminskas, H. C. Webb

Standing—Mgr. Sandberg, R. G. Denton, Zentgraf, K. Y. Benson, Coach Sharer

WRESTLING

The Case matmen opened their season with a trip to Ohio University, followed by meets at Waynesburg, Findlay, and Michigan State. After losing close, hard-fought meets to the Bobcats and Waynesburg, they came back to defeat Findlay, but then fell before a powerful Spartan team. However, all four of the home meets were won, the season being climaxed by a decisive victory over Armour Tech, conqueror of Purdue and Northwestern and meeting Case for the first time. In the Interstate Tournament Case upheld its position as host by taking third place, Kent and Michigan State placing first and second.

The regular team was composed, for the most part, of seniors: H. R. Jamieson at 121 pounds, L. A. Jimenez at 128, J. J. Kaminskas at 145, R. A. Vanderhoof at 155, H. C. Webb at 165, C. A. Carlson at 175, and C. W. Zentgraf at heavyweight. H. E. Sorber, a sophomore, held down the 136 pound class, Denton, Gurs, Green, and Husted also saw action.

Jamieson took the Interstate championship in his class while Jimenez and Sorber took seconds and Kaminskas a third.

9	Ohio U.	17	Case	24½	Washington & Jefferson	9½
12	Waynesburg	17	Case	30	University of Akron	0
31	Findlay	5	Case	15	West Virginia	9
6	Michigan State	20	Case	24½	Armour Tech.	9½

Third in Interstate Tournament

TRACK

First Row—VanVessem, Madsen, Jacklitch, Jamieson, Hildreth, Coach Sharer, Mills, J. J. Hunt, Pekarek, Fischley

Second Row—R. T. Wise, Scott, Mgr. G. E. Kline, Zentgraf, Mgr. Graef, Schupska, Phillips

Case's track team turned in a fair record for the 1938 season. The thinclads won one and lost one of their dual meets. They came in second in the meet with Oberlin and Baldwin-Wallace and fourth in the Big Four and Big Six meets.

The prospects for this year are promising. Homer Bower, who starred in the dashes and hurdles last year, will be back again. Chuck Zentgraf will be tossing the shot while Norman Dowling will continue his work with the discus and javelin. John VanVessem and William Madsen should show up well in the distance runs. With a few breaks, Casey's cindermen should have an excellent season this year.

SCHEDULE

Bowling Green	Here
Baldwin-Wallace	There
Ohio Wesleyan	Here
Mount Union	There
Wooster	There
Reserve	Here
Big Four	At B.-W.
Big Six	At Denison

First Row—Mills, J. J. Hunt, Pekarek, Noble

Second Row—Mgr. Graef, VanVessem, Phillips, Moore, Madsen, Mgr. G. E. Klein

CROSS COUNTRY

Although our cross country stalwarts won only two meets, they exhibited great power in all respects. The Sharermen had little trouble in subduing Muskingum 21 to 37 in their first meet of the season. The following week Wooster showed unexpected form and defeated Case 36 to 21. Phillips of Case took first place, but Wooster had enough men following him to give them victory. However, the Riders regained confidence again by defeating Hiram 22 to 35. VanVessem of Case was barely nosed out for first place honors in this meet. Phillips, Hunt, Pekarek, and Madsen finished fourth, fifth, sixth, and seventh, respectively. Case's thinclads then held a very powerful Oberlin squad to a 31 to 24 score. This time Phillips finished first with the excellent time of 21:51. In reality this was a moral victory for Case. Against the big six champions Case finished first and third.

Miami, always powerful in track, defeated Case this year. Case, however, made a very impressive showing by holding the Indians to a 34-22 score.

Case took a close third in the Big Six Conference meet, Wooster and Oberlin finishing first and second.

First Row—Weisman, Stuhr, Barre

Second Row—Aspman Fredrichs, D. J. Zaffarano, Larsen, Gregg

Third Row—Coach Morris, Mgr. Houser, Siskin, Blackmore, Dunn, Morse, Ass't Coach McLane

FENCING

With fencing becoming ever more popular among Case men, the fourth floor practice room in the main building is almost too small to accommodate the numerous devotees of the sport.

Facing an unusually tough schedule this year, the squad made a rather promising start by defeating their arch-rivals, Western Reserve, early in the season. Well trained by Coach Lucien Morris, who is comparatively new to the squad, having been its mentor for only two seasons, and aided materially by the individual performances of several outstanding new men, the team this year upheld the fine record it had established in the past.

A large number of tryouts, and a goodly number of experienced men remaining in school for the coming year, furnish a promising outlook for next season's squad.

SWIMMING

The swimming team, under Coach Harry Kyr, was considerably better than last year's team. However, the competition had improved so much that the season was only moderately successful.

The Rough Riders started their campaign with a victory over a surprisingly tough Slippery Rock team. Bob Ogrody did a fine job in this meet, taking first place in two events. The next week found Case barely defeating Wooster, 38-37. Following this, Casey's mermen came through with eight out of a possible ten firsts to swamp Allegheny.

Then Oberlin, duplicating last year's 38-37 victory, turned Case down in a very close meet. In the return meet with Wooster, the Scots more than avenged their previous loss by badly defeating the Kyrmen. Carnegie Tech and Ohio Weslyan followed up in turn, defeating our tanksters in two close battles.

In the Ohio Conference meet, Jack Lawler's diving took the only first place that did not go to Kenyon. Jack Eichler and Bob Clapper, free-stylers, turned in consistently good records.

First Row—Eichler, Ogrody, Graham, Prior

Second Row—Parker, Harrington, Butler, Kulow, Van-Horn

Third Row—Coach Kyr, Pearn, W. A. Crawford, Lawler, Mgr. Jacobs

Slippery Rock	34	Case	41
Wooster	37	Case	38
Allegheny	20	Case	55
Oberlin	38	Case	37
Wooster	57	Case	18
Carnegie Tech	41	Case	34
Ohio Wesleyan	41	Case	34
Ohio Conference Fifth			
Kenyon	47	Case	27
Reserve	42	Case	33

First Row—Knepper, Tacl, Fiordalis, Legat, Winterich, Winslow, Coach Burrows

Second Row—Mgr. E. D. Peters, Gibson, Schellentrager, Schanzlin, Coach Bartholome, Vanas, Cowan, Albrecht, Pearn

With organization of a squad hurriedly completed after a decision by the Athletic Board to include hockey as a college sport, practice was begun late in November. The vote of the board was prompted by an overwhelming majority vote by the student body, which voiced its opinion on ballots prepared by the Case Senate.

Last year's Ohio-Pennsylvania League champions, John Carroll, were pitted against the "Rough Riders" for Casey's first game. The result, which was a hard fought victory for Carroll, showed the famous Case fight characteristic of the Brown and White teams. The following night, at Duquesne Garden, in Pittsburgh, Case was defeated by Carnegie Tech. However, some promise was shown in the flashy playing of Knepper, Gibson, and Winslow. The latter tallied the team's first goal of the season. A week later, Casey came back to defeat Tech at the Arena.

The winning streak was continued with two successive shut-outs over Fenn and Baldwin-Wallace. Here goalie Fiordalis starred by batting away shot after shot from the sticks of the "Skyscrapers" and the "Bereans".

The University of Pittsburgh then broke Case's string of victories by a 1 to 0 score. Case carried Reserve into an overtime battle and came out on the wrong end of a 3 to 1 score. With Chuck Burrows assisting in the coaching, the skaters tried to devise an adequate defense to stop Carroll and avenge their earlier defeat, but the "Streaks" made "Vinnie" well acquainted with the puck as it found the goal many times.

Then there followed three defeats by Fenn, Duquesne, and Reserve. Later in the season, the team defeated Baldwin-Wallace, with the scoring honors shared by Gibson and Knepper. Another victory over Fenn made the score between the two schools two and one and placed Case in third position in the Western Division race.

HOCKEY

INTRAMURAL

INTRAMURAL MANAGERS

Working under the extreme difficulties of very limited facilities coupled with a large turn-out of intramural contestants, the intramural managers did a commendable job of scheduling events this year. By means of careful arrangement of competition, the committee in charge of lining up interfraternity contests maintained a continuous season of competitive athletics during the entire year.

Again this year, the fraternities were organized into two leagues, with the leaders of each league engaging in championship play at the close of the season. This year a championship cup was awarded to that organization which garnered the greatest number of championship points for victories obtained in the respective sports on the intramural schedule.

KLINE

NEWBERRY

PING-PONG

Ever popular among Case fraternity men, the manly art of ping-pong got off to a flying start this year, and the intramural exponents of the sport got their share of fast competition. Unlike the other intramural contests, the ping-pong schedule was played on an elimination basis. Fraternities were paired off for preliminary matches and the winner of each match then went on to play the winner of another preliminary contest. Matches consisted of one doubles and two singles games.

BASEBALL

Pi Sigma Phi captured the interfraternity baseball trophy during the 1938 season in one of the most exciting contests on the intramural sports schedule. Playing the Phi Delts in the final and deciding game of the season, the Pi Sigs overcame a first inning lead of seven runs to win the championship and furnish a thrilling finale to the year's intramural sports program. The Greek devotees of the national pastime showed a commendable degree of enthusiasm for the sport by their attendance at the games.

SWIMMING

Casey's intramural athletes proved themselves capable of navigating the Case pool as well as the gym floor when they turned out in appreciable numbers to participate in one of the best of the annual interfraternity swimming competitions. In spite of the large number of positions to be filled on each team, most fraternities turned out full squads. The Case pool furnished ample facilities for the competition and the contests were run off in an efficient manner.

TRACK

Intramural track competition usually brings out some hidden talent in the art of "picking 'em up and laying 'em down". Last year several intramural track meet records were broken. This year the showing was equally good, not only on the cinder track, but also in the numerous field events. Unusually close competition was featured in the dashes and jumping events.

KUENHOLD

ANDERS

WRESTLING

Repeating their success of last year, the "grunters" of Phi Kappa Psi this year made off with the interfraternity wrestling championship. However, honors for the college wrestling championship were achieved by the strong Campus Club aggregation when they pinned down the stubborn opposition of the Phi Delt squad in the championship match.

The balanced Phi Psi outfit proved too much for the second place Phi Delts in the interfraternity league and they came through the fraternity schedule with only a tie with Beta Theta Pi marring their record of wins.

BASKETBALL

Again, as in previous years, basketball proved to be the most popular intramural sport. Interest in competition, exceeded only by varsity attraction, kept the fraternity cheerers out on the sidelines rooting for their favorite quintet throughout the entire schedule. A division of teams into a strong and weak league made competitive engagements more interesting. Closely matched contests showed indicative proof of the interest given to the winning of the basketball championship by the rival quintets.

A full roster of all the fraternities on the campus and also the Campus Club entered into active competition for supremacy in basketball play.

VOLLEYBALL

Distinguished by their highly organized system of play, Phi Delta Theta overcame a stubborn Phi Kappa Psi sextet to wrest the championship from the former holders. The combined height and pass work of the strong Phi Delts proved too much for the previously undefeated Phi Psis; after a bitter struggle, the Phi Delts marched off with a well-earned victory. Throughout the volleyball schedule the Beta Theta Pi and Sigma Nu teams proved themselves to be thorns in the sides of the leaders, for, up to the end of the season, they were very much in the running for the championship.

TENNIS

Coach Miller, Chapman, Taber, Ganger, Shelton, Dunn, R. Lucht, W. Lucht, Hodgson, Bolz

With a fine nucleus and prospects for sufficient practice, Case possesses possibilities of a very successful season. While Wiese was lost by graduation, this year's team will be built around Ganger, Shelton, Smith, Taber, Hodgson, and Chapman. Several other good prospects including sophomores and upper classmen will round out the squad. These men are, however, untried.

One of the reasons why a good season is expected is the acquisition of a private tennis court by Case for practice. Heretofore, practice had been limited because of the lack of facilities, but with several sessions indoors and regular practice outdoors, the quality of the tennis team is expected to increase greatly.

A round robin will determine who will represent Case. About twenty-five men will attempt to attain these coveted positions. A fine schedule is arranged with teams including those of Western Reserve, Toledo, Carroll, Wooster, and Baldwin Wallace.

Coach Miller expects to better last year's record of two wins and eight losses. The chances of accomplishing this goal are excellent.

GAMMA PHI

Gamma Phi is a national gymnastic fraternity which has chapters at many of the colleges in the country. It was founded at Ohio State University in 1904 and the Case tumblers got their charter in 1924. The local chapter was founded by A. A., "Al", Bates, professor of metallurgy. Professor Bates was a member of Gamma Phi at Ohio Wesleyan University and was faculty adviser at Case until the 1938-39 season. Mr. A. H. Spehek, of the department of mechanics, is now faculty adviser.

The first year the members devote to attaining poise and confidence, while the more difficult exercises on the high bar, parallel bars, buck, horse, and rings are attempted later. Gamma Phi gave public exhibitions at one of the Case-Reserve basketball games in competition with Reserve's tumblers, and at open house this year.

J. R. WILLIAMS

K. H. GREEN

C. E. WOOD

S. J. FRIEDMAN

H. J. DUNASKY

FRATER

NITIES

ZETA

FOUNDED NATIONALLY 1847

On June 1, 1847, Zeta Psi was founded at New York University. The founders, John B. Yates Sommers, William Dayton, and John M. Skillman, organized a fraternity in which conservatism plays an important part. Zeta Psi is eleventh in the order of national founding and has at present twenty-nine chapters.

The Nu enjoys the distinction of being the only chapter at a technical school. This basically conservative chapter was established at Case School of Applied Science in 1884. John Eisenman, a professor in engineering drawing, and several other Cleveland alumni helped introduce the fraternity idea to Daniel Warmington, George Gardner, and William and Frank Neff, who became the charter members of the Nu. All this occurred seven years before the establishment of any other Greek letter fraternity on the Case campus.

PSI

ESTABLISHED LOCALLY 1884

Elliott
Skidmore

Bigelow
H. C. Webb
Harrington

Simpson
Taber
Graef

Wise
Shelton
Edgar

Kempton
Blackmore
Kojan

Farr
DeFries
Dunn

Pelton
Peters
R. A. Lucht

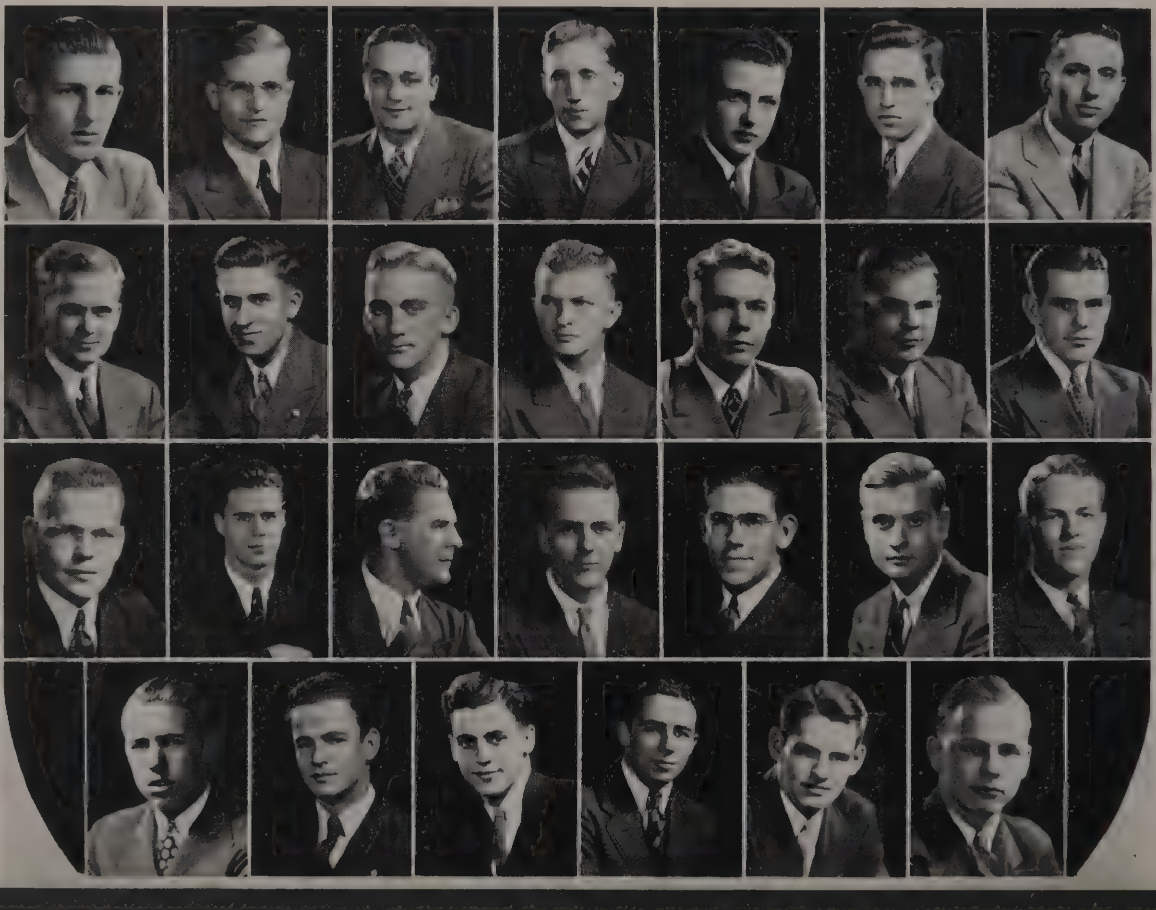
Chapman
C. I. Vogt

Seated—Keska, W. A. Lucht, Beutel, Seal, Gifford, Larer
Standing—Klingel, Case, Beuttell, Persing, Bachtell, Carleton, P. Webb

The Phi Delta Theta fraternity, one of the Miami Triad, was founded at Miami University, Oxford, Ohio, in 1848. Since its founding the fraternity has grown continuously and now has more active members than any other national social fraternity. It now has one hundred and seven chapters located in forty-one of the forty-eight states and six of the nine districts of Canada.

The Ohio Eta chapter, located at Case, grew out of a local fraternity founded in 1895 which was known as Phi Lambda Omega. Phi Lambda Omega was granted a charter by the national organization in 1896.

Clapper Dowden Fiordalis Haynam Hewett Hunt Long
Nicholl Pekarek Sackerson Sisler Todd E. C. Vogt Weiss
Willison Winslow Zentgraf Bower Harley Horsburgh Hubbard
Kulow Lawler Noble Spangenberg Walter Wilson



P H I D E L T A T H E T A

First Row—Rupp, W. D. Bennett, Folger, Schabo
Second Row—Bigam, K. P. Horsburgh, Greenleaf, Melreit
Third Row—Killian, H. D. Hunt
Fourth Row—Burdick, Klingler, Gildemeister, Lease
Not Pictured—Konker, Brandt, E. M. Campbell, Schutt

FOUNDED NATIONALLY 1848 ESTABLISHED LOCALLY 1894

First Row—May, W. C. Green, Quarrie, Strawn
Second Row—Hess, F. L. Long, Eichler, S. H. Greenwood
Third Row—S. F. Williams, Lynch
Fourth Row—Curtis, Michel, Allen, Poremba, Gibson, Shafer, Albrecht
Not Pictured—Davidson, Fischley, Schweitzer, J. R. Williams, D. J. Voss

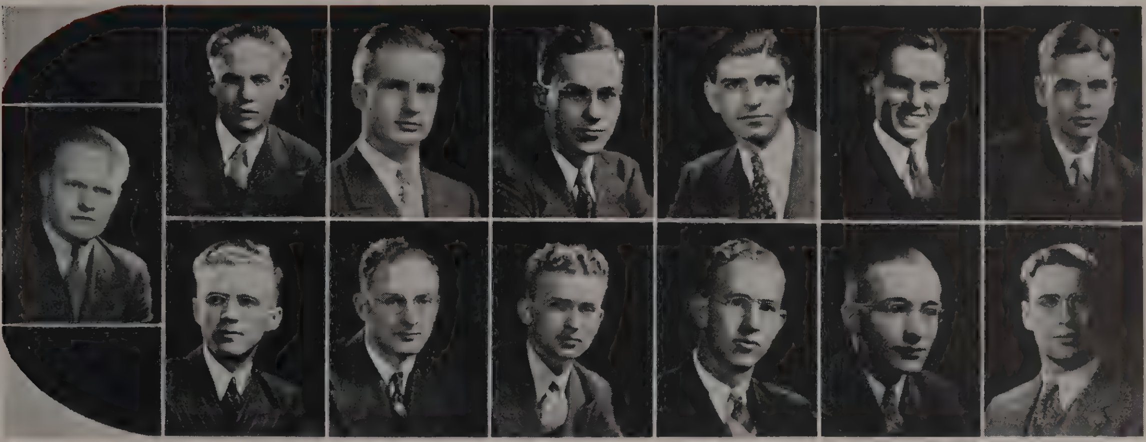
SIGMA AL

FOUNDED NATIONALLY 1856 **ESTABLISHED LOCALLY 1905**

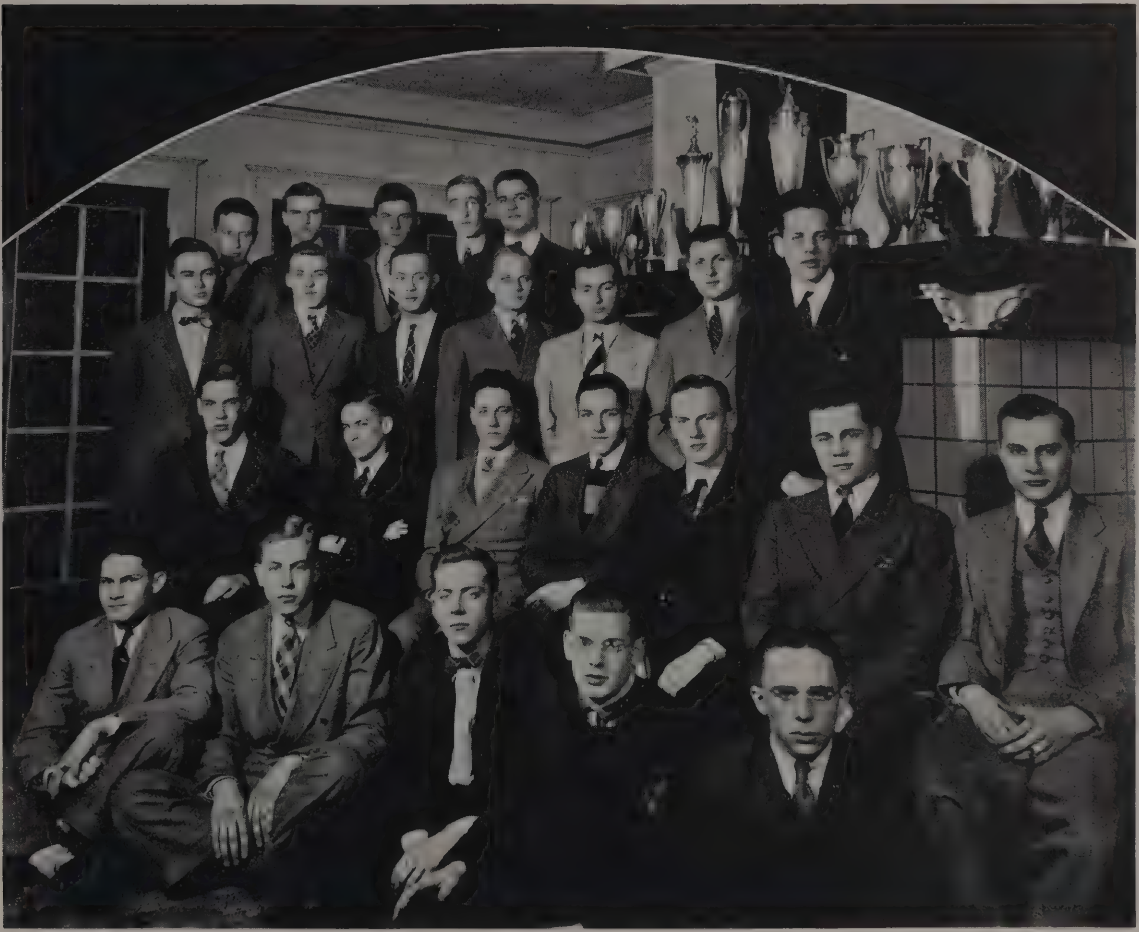
The Sigma Alpha Epsilon fraternity was founded in March, 1856, at the University of Alabama. Many chapters were soon established in the North although expansion was somewhat confined to southern colleges for a number of years. Sigma Alpha Epsilon is the largest social fraternity in the United States. Since its founding eighty-two years ago, the fraternity has grown into a national organization of 110 chapters.

Ohio Rho was installed at Case in February, 1905, due to the untiring efforts of W. W. Boughton, E. S. Crisp, and R. H. West. These three men were the founders of a social society known as Sigma Rho, the predecessor to the Ohio Rho chapter of Sigma Alpha Epsilon at Case.

HA EPSILON



Bachlund Converse Duff Endlich Fisher Hodgson Hookway
Horvath Jacklitch Potter D. K. Swartwout F. B. Quigley D. J. Zaffarano



First Row—W. R. White, C. J. Swartwout, Dana, I. A. Greenwood, Class
Second Row—VanHorn, Heine, Barre, Knepper, Mathers, L. F. Wilson, Richards
Third Row—Vaughn, Foster, J. H. Quigley, Schmidt, Wahl, Humphries, Sherlock
Fourth Row—Badger, McFate, Snook, Kaercher, F. P. Zaffarano
Not Pictured—Pearse, R. B. Miller

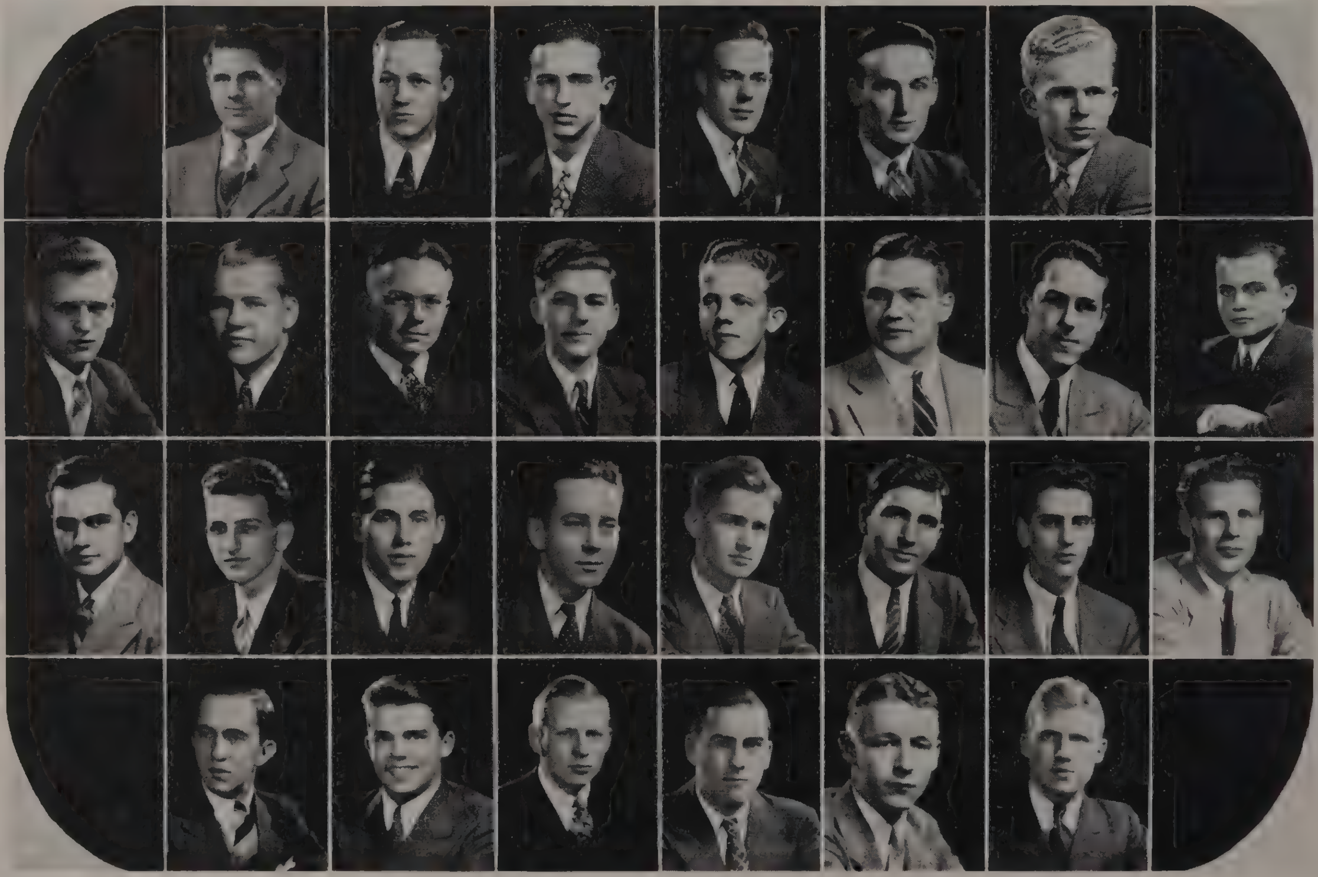
BETA

The Lyme Kil club, fore-runner of the present Lambda Kappa chapter, was the foundation of the present Case chapter of Beta Theta Pi Fraternity. In 1905 this organization became a part of the national fraternity, Beta Theta Pi, after having existed as a local group for nearly twelve years.

The Lambda Kappa held its early meetings in a building on Euclid Avenue near the 105th section. With this humble beginning, the group grew from a nucleus of seven members to the present group of forty-five men.

FOUNDED NATIONALLY 1839

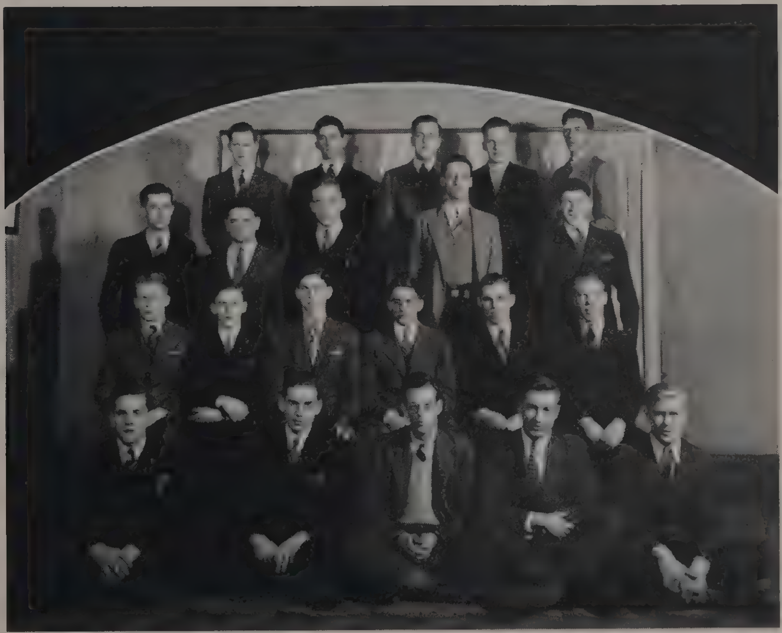
Tacl
Wallace Black
McKay Blaha
Koll Frederichs
Risser R. H. White
McCorkindale Needham
Cowan Reed
Fitzwilliam



Hendricksen
Forsythe Vitcha
Wetherald Ogrody
Dunsaky Sharpe
Snow McMillan
Vanderhoof Mast
Strickland Kopf
Melick

HETA PI

ESTABLISHED LOCALLY 1905



First Row—Sorber, Crobaugh, R. A. Stephens, Anders, Deems
Second Row—Mattoon, Sturges, Haskins, Strough, G. L. Conrad, Furrer
Third Row—J. E. Wood, Raymond, C. G. Johnson, Robin, Fluke
Fourth Row—Baird, Peters, Patton, Rapp, Coppage
Not Pictured—Hart, Nusbaum, Russell

PHI KA

FOUNDED NATIONALLY 1852

Phi Kappa Psi was founded at Jefferson College, now Washington and Jefferson, in 1852. The fraternity was organized by William H. Letterman and Charles P. T. Moore who declared that the tradition of Phi Kappa Psi would be to promote among its members the ideals of scholarship, morality, and democracy.

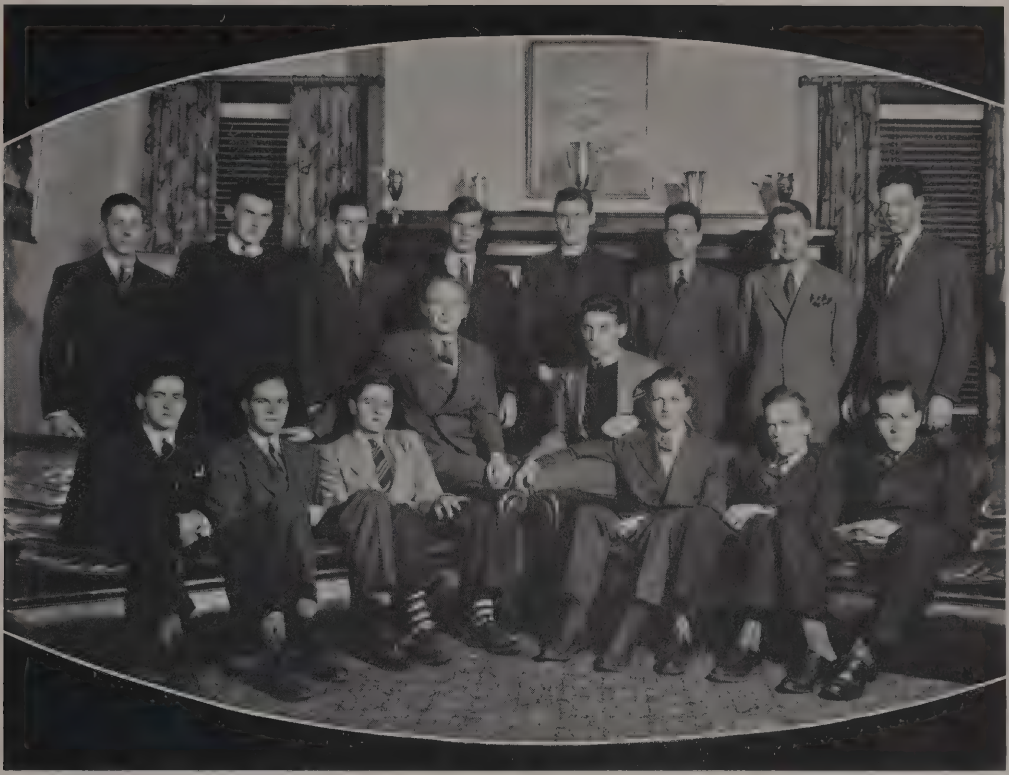
Phi Kappa Psi is one of the Jefferson Duo, the other fraternity of the Duo being Phi Gamma Delta.

A program of conservative expansion has been rigidly followed by the fraternity since its founding. At the present time 52 chapters are spread throughout the United States. The Case chapter, Ohio Epsilon, received its charter in 1906.

	Carpenter	J. C. Conrad	W. A. Crawford	Hildreth	T. C. Johnson	
Nord	Schellentrager	K. D. Smith	Sutton	R. H. Wilson	Winterich	Wistar
Wolf	Dowling	Findeisen	Hoffman	Hopkinson	Kelley	Kuenhold
	Neville	Newell	Rau	Rogge	J. A. Voss	

PA PSI

ESTABLISHED LOCALLY 1906



Standing—Shaeffer, Slater, Allen, Brewer, Heckman, Benson, Obenchain, Barth
Seated—Mathews, Emmons, Wright, French, Ward, Edwards, Nord, Derhammer
Not Pictured—Thompson, Messner, White, Stuart

SIG

E. J. Lally
Ohly
Kline
C. F. Wood
Boeckling
Kuemmel
LaMarche

Jory
Bechtel
Bishop
Schrauf
Trinter
Gardiner
R. R. Strickland

Seaton
Snyder
H. D. Bennett
Brohl
Hartzell
Spence
Pierce

Sigma Nu originated from the "Legion of Honor", a secret society organized in the year 1868 at Virginia Military Institute. The legion was organized by James F. Hopkins, to oppose a campus political combine, which carried on unjust principles toward certain parties within the school. The Greek letter designation and other characteristics were adopted Jan. 1, 1869, regarded as the date of founding of the Sigma Nu fraternity. The founders intended the fraternity to be national in scope and started expansion in 1883. The fraternity now has 94 active chapters.

The charter members of Delta Alpha chapter of Case are Cleaveland, Bloxham, '09, Denman, ex-'10, Francey, '10, Liggett, '10, Berridge, ex-'12, and Woods. The group was brought together by Woods, a Sigma Nu from Mt. Union College. Application was made to the Grand Chapter and the Case organization officially inaugurated at the Hollenden Hotel, February 22, 1907.

A NU

Seated—Atwood, Hayden, G. E. Johnson, Kennedy, Bird, Parker, Bruns, Hart

Standing—Price, Newberry, McCord, Meyers, Stack, Kemper

FOUNDED NATIONALLY 1869 ESTABLISHED LOCALLY 1907

SIG

Seated—Vocial, Davis, Hill, Norton, Gay
Standing—Bach, Langer, Swanger, Esch
Not Pictured—Kasik, Lamp, Pugh

FOUNDED NATIONALLY 1855

Sigma Chi was founded at Miami University, Oxford, Ohio, in June, 1855, by six men who voluntarily withdrew from the Delta Kappa Epsilon chapter following a dispute over the election of one of their number to the post of poet laureate of the Erodelphian Literary Society. They joined with a seventh man and formed the third of the three fraternities founded at Miami known as the Miami Triad.

Sigma Chi has since grown to include ninety-eight chapters in thirty-five states and in Canada. The fraternity is incorporated under the laws of the state of Illinois and maintains national offices in Chicago. The initiates now total over 40,000 and include such men as President Cleveland, Dr. Albert Edward Wiggam, Roy Chapman Andrews, Fontaine Fox, and James D. Mooney.

Beta Eta chapter was established in 1909 after Kappa Tau Phi of Case and Chi Omicron of Western Reserve had petitioned the national fraternity for a charter. Neither, however, was large enough to support an independent chapter and the charter was awarded to Case with the privilege of initiating Reserve students. The chapter has remained unique in the fraternity world as uniting the students of two entirely separate educational institutions.

A CHI

Stuhr Miner Andersen
Weidenkopf Zabel

ESTABLISHED LOCALLY 1909

PI SI

FOUNDED AT CASE 1921

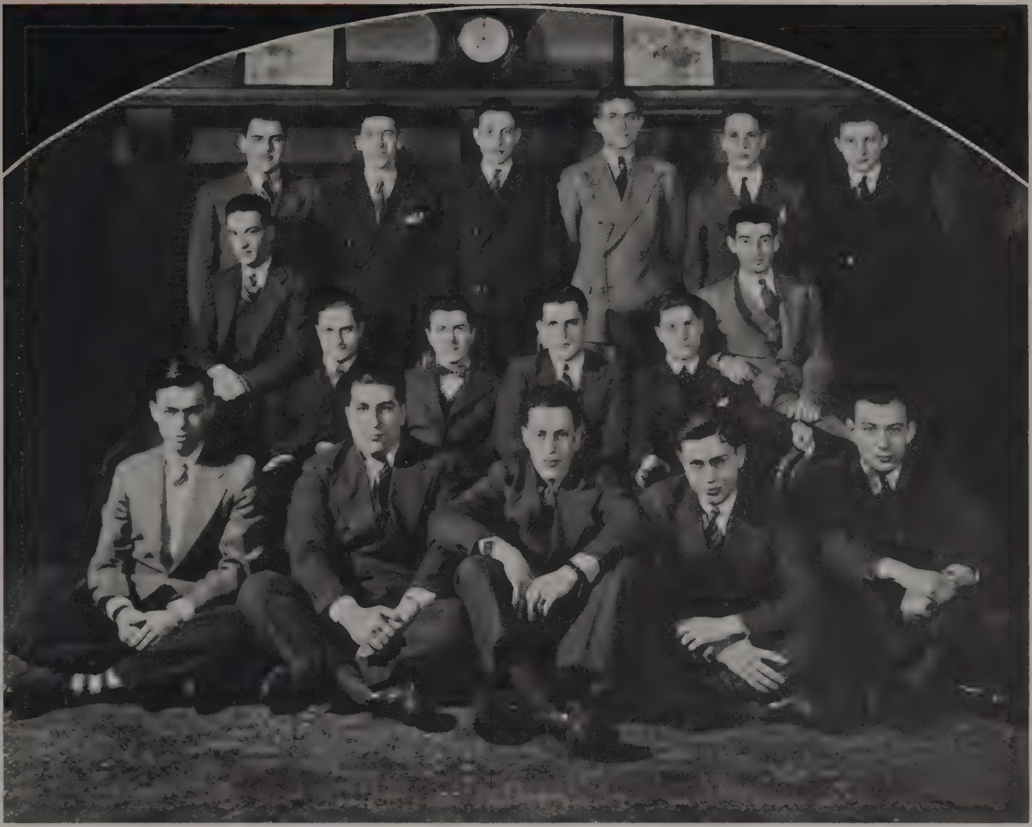
Ganger
Mendelson
Roth

S. N. Friedman
Gottehrer
H. A. Friedman
Sicherman
Taub

Klein
Matlow
Siskin

Pi Sigma Phi fraternity was founded at Case in 1921 by seven men. Throughout the eighteen years which have passed since its organization, Pi Sigma Phi has risen both in numbers and accomplishments and at present has an active chapter of over thirty men. The fraternity has always stood high in scholarship and last year attained the highest scholarship ever attained by a fraternity at Case. In addition to proficiency in scholarship, they also captured the interfraternity baseball championship the same year. Pi Sigma Phi can truly say that it has done much in maintaining the ideals of quality, conservatism, and fellowship upon which the fraternity was founded.

MA PHI



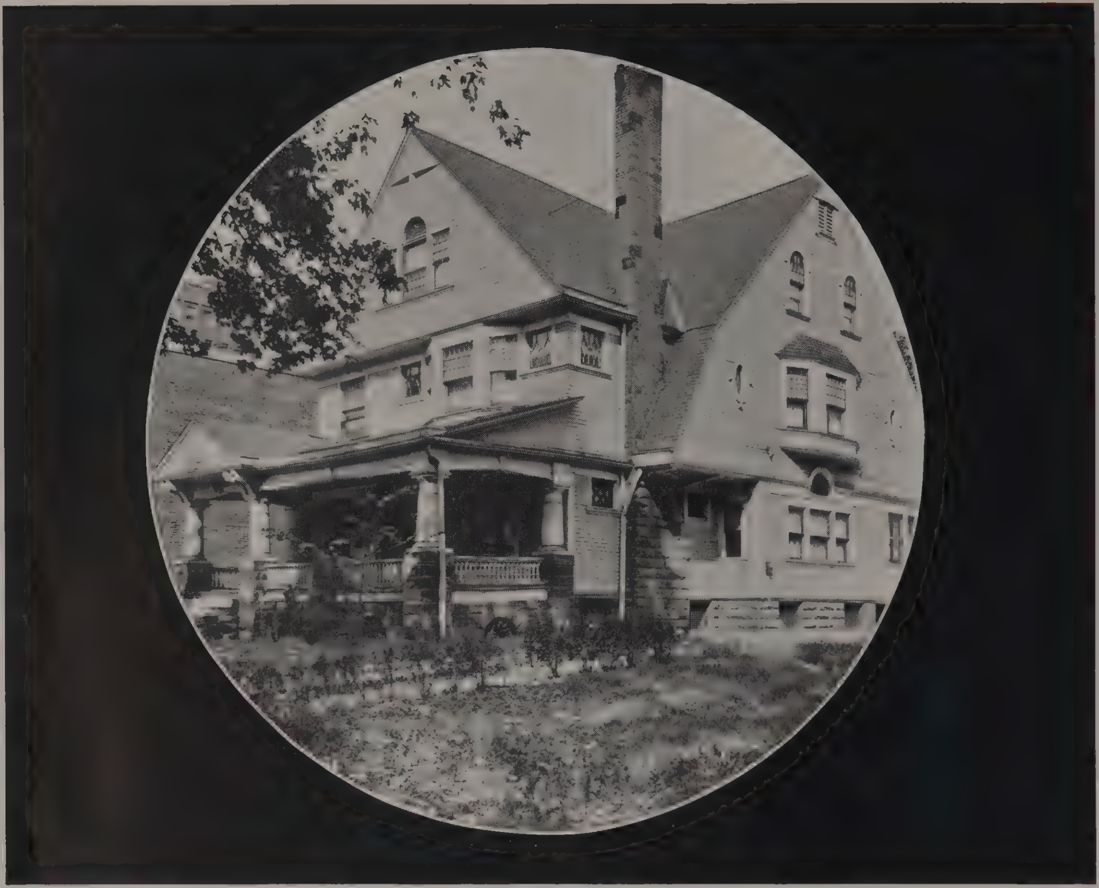
First Row—R. C. Friedman, Shube, Frensdorf, Foldy, Levy

Second Row—Yohalem, M. H. Weisman, Epstein, Brooks, Miller, Gogolick

Third Row—L. A. Weissman, Glickman, Matz, Albert, Stern, G. M. Klein

Not Pictured—Benjamin, G. M. Mentser

PHI KAP



Phi Kappa Tau was founded at Miami University at Oxford, Ohio, on March 17, 1906. The importance of the practice of American ideals of democracy on college campuses is very strongly emphasized by this organization.

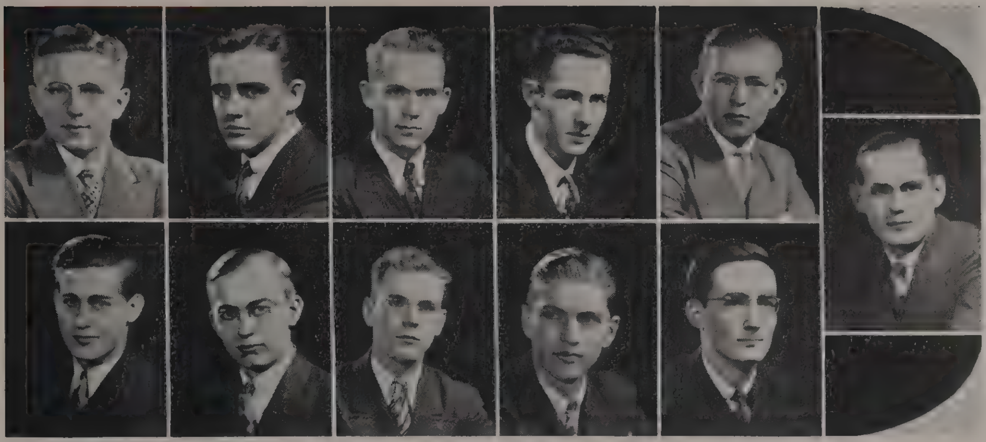
The fraternity originally was known as the "Phrenecon Association". Chapters were organized at Ohio University, Ohio State College, Centre College, Mt. Union, and the University of Illinois. The Greek title, Phi Kappa Tau, was adopted in 1916.

When Tau Gamma Psi, a local society organized in 1919, received a charter, the Alpha Delta chapter at Case was installed. Since its installation in 1925, the chapter has been more than active on the Case campus. It has been striving constantly to maintain the traditions of high scholarship, genuine culture, sound business practice, and wholesome fellowship.

FOUNDED NATIONALLY 1906

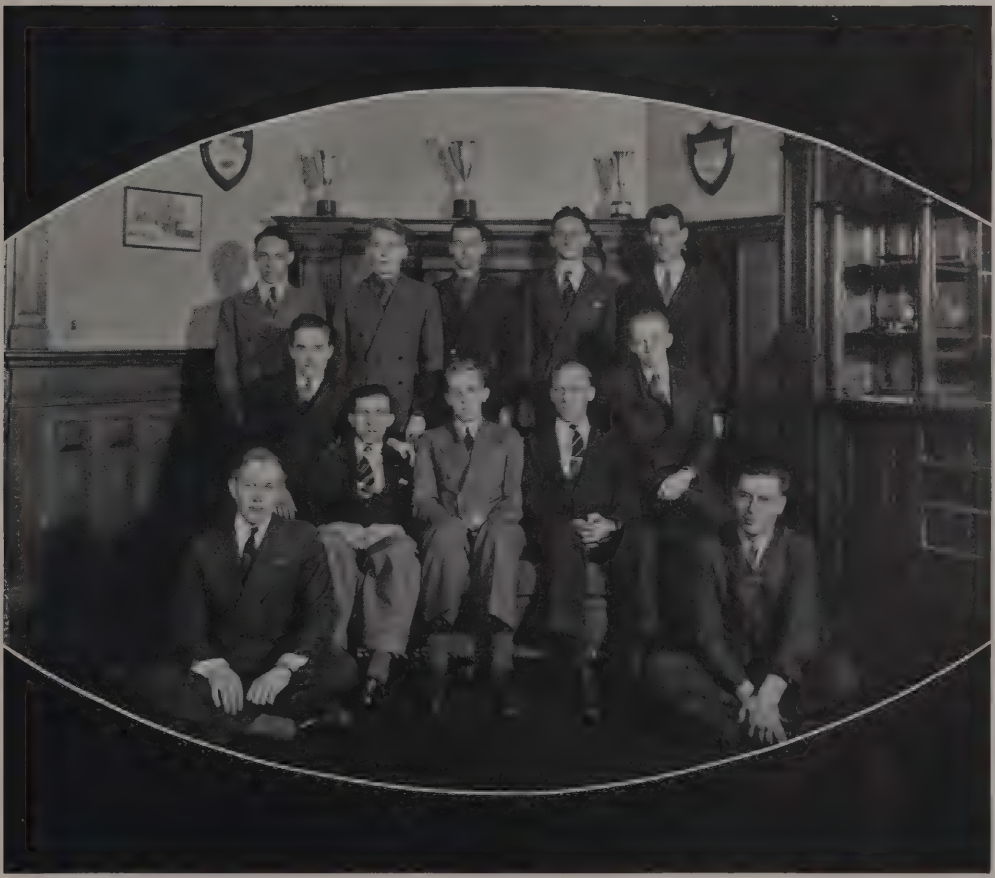
ESTABLISHED LOCALLY 1925

PA TAU



Nexon Jacobs | Lange Harris | Mansell Gehrung | S. J. Friedman Neidhart | Basl Fuller | Friedel

Not Pictured—Herrick



Seated—Turney, Feldmeyer, Peterson, Beckwith, Drechsler, Hover, Cowles
Standing—W. I. White, McLaughlin, W. Harris, Barton, Slater

PHI P

FOUNDED NATIONALLY 1923 ESTABLISHED LOCALLY 1926

Phi Pi Phi was originally founded as a graduate organization at Chicago in 1915. When a chapter was installed at Northwestern University in 1923, the organization became recognized as a national undergraduate social fraternity. The national society has expanded until there are now twenty chapters located in colleges and universities throughout the United States.

In 1926 the Case chapter, Lambda of Phi Pi Phi, was accepted into the national fraternal organization. The local chapter had existed in various other forms prior to that date. In reality it had originated in 1909 when a group of mining students at Case established a national organization known as Sigma Kappa Alpha, later Mu Sigma. Since then the chapter has been incorporated as Theta Tau and Tau Delta Tau, until granted a charter by Phi Pi Phi in 1926.

PHI

Happy Harlow Garrison Gurs Cook Gregg Caldwell Schanzlin

Standing—Obrig, Alexander, Bedell
Seated—Gable, Arms, D. R. Davidson
Not Pictured—Gallup, Hagedorn

FOUNDED NATIONALLY 1901

Heddleson J. A. Wilson Giloy Yoder

First Row—Coyle, Howard, Knapp, Carpender, H. D. Hoffman
Second Row—Schwary, Hook, Reeves, Morrison, Karash
Third Row—Davis, DeBruler, Tifft, Kamuf, Mowry

KAPPA

ESTABLISHED LOCALLY 1931

Beta Kappa came into being on October 15, 1901 at Hamline University, St. Paul, Minnesota. The idea of the fraternity was based on an earlier high school organization of which the founders were members. The name of the high school group was "BOSK" and when the fraternity was founded, the Greek equivalents of these letters were used, hence, Beta Omicron Sigma Kappa. In time the shorter term of "Beta Kappa" was adopted.

Beta Kappa remained a local fraternity at Hamline until 1922, when the Beta chapter of Beta Kappa was installed. Since then the number of chapters has steadily increased. Beta Kappa now has 27 chapters on various campuses throughout our country.

Alpha Nu of Beta Kappa was installed in 1931. Beta Kappa was formerly a local fraternity known as Sigma Tau Delta, a fraternity that has been on our campus since 1909. The theme of Beta Kappa has always been, "A band of loyal Brothers".

First Row—Andrew, English, Frey
Second Row—Hausmann, Bork, Ebert, Dillon
Third Row—Nolan Schmidt, Koch, Hewitt

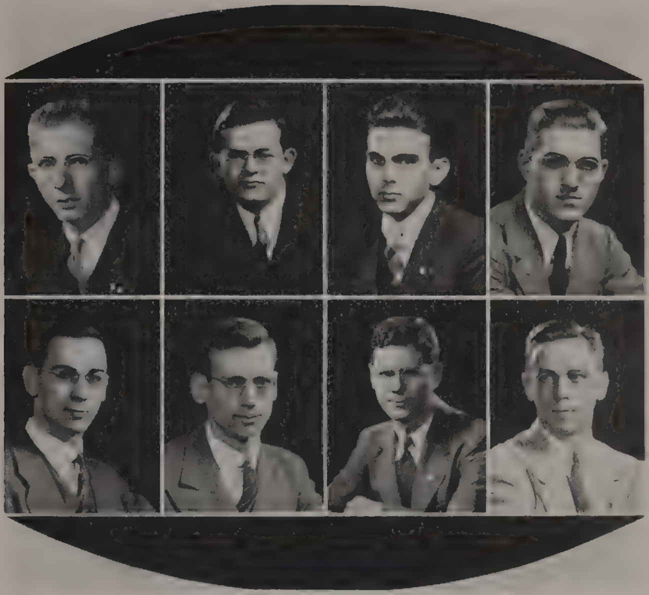
FOUNDED AT CASE 1932

In 1932, a group of Case men, bonded together by a common religion and mutual interest, founded Theta Kappa Psi fraternity. The purpose of this organization was to promote social activities and scholarship among the Catholic students of Case.

Recently, for incorporating purposes, the name of the fraternity has been changed to Theta Psi Kappa. This step climaxes a series of progressive changes which are necessary for the firm establishment of the fraternity on the campus.

With the metamorphosis stages in the past, Theta Psi Kappa now looks to the future with gathering impetus and a firm foundation on which to continue fulfilling its purpose.

KAPPA



First Row—Keller, Lacey, Hippler, Brennan
Second Row—Courtot, Loretta, Scott, Tapleshay

INTERFRATERNITY COUNCIL

Seated—D. J. Zaffarano, Fuller, Stuhr, Kline, Hewett, Henricksen, Giloy, Cook
Standing—E. T. Nord, Taber, H. A. Friedman, Tapleshay

The Interfraternity Council may be considered the governing body of all the Greeks on the campus. By working out the individual problems of each fraternity, the whole group of fraternal organizations is benefited very greatly, and a strong bond of good feeling is formed between the different societies. Thus it can be said that the purpose of the Council is to promote amicable relations between the various fraternities on the campus.

Membership in the Council is determined by each individual fraternity which delegates a junior and a senior, thus making a total membership of twenty-two for the eleven Case fraternities.

The more detailed functions of the Interfraternity Council include the supervision of interfraternity activities, both athletic and social. During the early part of the fall semester, the Council directs its efforts toward a closer union between the school and its fraternities by aiding very greatly in freshman discipline.

We congratulate the Interfraternity Council for carrying out its program so successfully. It has shown itself to be an important factor in the success of college life on the Case campus.

HONORARIES

In order to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering, and to foster a spirit of liberal culture, Dr. Edward Higginson Williams founded the Tau Beta Pi Association at the University of Lehigh in 1885.

In 1900 the Case chapter was established with the purpose of furthering the aims of Dr. Williams. Although members are selected primarily on a basis of scholastic attainment, character, personality, leadership, and breadth of service are also considered.

Three candidates may be chosen from the men in the upper eighth of the junior class during the first semester. During the second semester, as many men are elected as the members of the chapter see fit to choose. Candidates are also chosen from the upper fourth of the senior class during the first semester.

TAU BETA PI

First Row—Prof. Thomas, Prof. Vose, Bolz, Pekarek, S. J. Friedman, Hildredth, Mansell, Ganger, Winslow, R. G. Denton, Prof. Putnam, Carlson

Second Row—H. A. Friedman, L. F. Green, W. A. Crawford, Weiss, Reilly, Snow, Warner, Juvinall

Third Row—C. F. Wood, H. C. Webb, Lubahn, Bosworth, Schellentrager, Neill

Dr. D. C. Miller

Dean T. M. Focke

SIGMA XI

Sigma Xi is the graduate honorary fraternity organized for the purpose of stimulating independent research. The privilege of membership is granted to such members of the senior class as have, during their college course, given special promise of future achievement and to such alumni as have been eminently successful in their profession. Elections are held just previous to commencement. The work done and ability shown by a student in the development of his thesis are the main standards upon which he is judged as a candidate.

The society was founded in 1886 at Cornell by Professor Henry S. Williams. The Case chapter was established in 1904. Dean Focke and Dr. D. C. Miller are two members of the petitioning body still connected with the school.

There are generally two or three meetings held each year, one being held at commencement time for the initiation of new members. For these meetings the society usually engages speakers who are active in some line of professional work.

ALPHA CHI SIGMA

In 1902 a group of students at the University of Wisconsin founded Alpha Chi Sigma as a national professional fraternity for chemists and metallurgists. In 1906, four years later, the Gamma chapter of Alpha Chi Sigma was organized at Case.

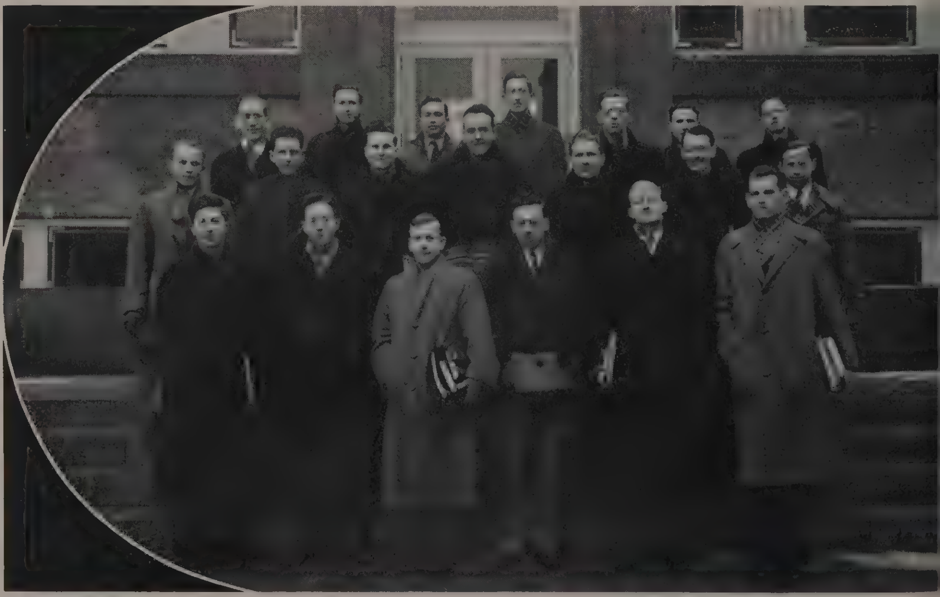
The society seeks a bond of mutual benefit for its members, both in a social and a professional manner. The interest in chemistry as a science is held dear in the hearts of its members as they strive to further the ideals of their organization.

Chemists and metallurgists who have successfully completed one and one-half years of training are eligible for membership. Character, scholarship, personality, and ability serve as a basis for selecting new members into the fraternity. The goal of the prospective chemist in his freshman year is to receive the personal award given by this fraternity to the man having done the most outstanding work in chemistry. As a further recognition, his name is engraved on a metal plaque which hangs in the chemistry building.

First Row—Morgan, Dunasky, Hartzell, Seaton, R. A. Lucht, Schellentrager

Second Row—A. D. Miller, K. H. Green, Balharrie, Bower, Findeisen, C. F. Wood, Vyhnalek

Third Row—Edgar, Snyder, Melby, Stuhr, Barnes, Schrauf, Silsby



THETA TAU

Theta Tau, a national honorary fraternity for juniors and seniors, was founded at the University of Minnesota on October 15, 1904. The Delta chapter was organized at Case in 1906, just two years after the founding of the fraternity. Men who have shown outstanding professional ability and possess leadership of a marked quality are elected into the fraternity after having completed the first half of their college course.

To the Case student, Theta Tau is important in that it sponsors many banquets and informal meetings which are invaluable both as entertainment and as a source of very authentic information. Industrialists and professionals are invited to speak at these meetings and acquaint the student body with some facts concerning general business. Motion pictures pertinent to the discussion are occasionally shown.

First Row—Chapman, Hodgson, Bolz, Vanderhoof, Fitzwilliam, Warner

Second Row—Weiss, Horsburgh, W. A. Crawford, Carlson, Snow, Pekarek, Haynam, Henrikson

Third Row—Bosworth, Converse, Lawler, Mansell, Neville, Lubahn, Reed, Sutton

Not Pictured—E. T. Nord, Hildreth, Winslow, Willison

First Row—Jamieson, Chapman

Second Row—Zentgraf, Kline, C. F. Wood, Rau, Hartzell, McCorkindale, Warner, Reed

Third Row—Kopf, G. E. Klein, W. A. Crawford, Dowden, Hildreth, Weiss, Haynam, Carlson

Not Pictured—Sutton, D. J. Zaffarano, K. D. Smith, Brohl, E. T. Nord

HONOR KEY

The ambition of every Case man is to be the proud possessor of a Case Honor Key. More and more each year the Case student is impressed with the value of extra-curricular activities. The college is ever emphasizing the fact that these activities are essenital in broadening the views of an engineer. "Get into activities!" seems to be the everlasting theme of both the faculty and the fraternities.

The Case Senate has established an honor point system which has been in use for several years. It is the purpose of this system to incite the students to participate in the wide field of activities offered. Each activity is rated according to the time it requires and its value as set forth by the Senate. Any man acquiring a total of forty-five points in four years, or any man holding an honor key position will automatically receive an Honor Key.

The key positions are: Senior Football Manager, President of the Senate, Manager of Musical Clubs, Senior Intramural Manager, Editor and Business Manager of the Case Tech, Editor and Business Manager of the Case Differential, and Head of the Case News Service.

Eta Kappa Nu is a national honorary fraternity which selects its members in the fall and spring from the juniors and seniors in the electrical department. To qualify for membership in the Zeta chapter at Case, a student's scholastic record and character must show promises of a successful engineering career.

Many of the exhibits shown each year by the electrical department during open house are prepared and conducted by members so as to give the public a true view of the activities carried on at Case. The fourteen student members and the ten faculty members meet twice a month. Occasional social events and inspection trips are sponsored by Eta Kappa Nu for the entire electrical department. Each year a handbook is given to the most outstanding sophomore in the electrical engineering department.

ETA KAPPA NU

First Row—Bobula, Middough, Mikos, DiVincenzo, Nexon, Denby

Second Row—Prof. Martin, Harding, Duff, Giloy, Swartwout

Third Row—Prof. Owens, Ostrander, Juvinall, G. Elliott, Gilliland, Inst. McMaster.

Fourth Row—Inst. Becklund, Asst. Lensner, Prof. Dates, Asst. Haberland, Inst. Schindler, Prof. Putnam

FEAT

URES

Above are shown several views of the new chemistry building during the construction of one wing. At the lower left is pictured the electrical building which will be razed to make way for the main section of the new chemistry building. The other wing will be built in the vacant lot to the left of this building.

On the opposite page two views of the finished wing are shown.

FRESHMAN CAMP

SPRING SESSION

With the usual Case spirit, the first group left the Case Club promptly at 8 o'clock; about five hours later the boys were setting foot in the Mohican Forest camp and gazing at what promises to be one of the best surveying camps in the country.

The first mistake was made with the discarding of all clothes except the bare necessities. In less than a week the boys were hard at work drawing maps, carrying instruments, and getting up at reveille after spending a night in Loudonville.

Tents were pulled down, water thrown, and a "white flag" society organized during the period and this play, together with baseball and swimming, made the work seem fun. The last night was a real example of Case spirit, with a tractor running wild among the tents providing much of the excitement.

FALL SESSION

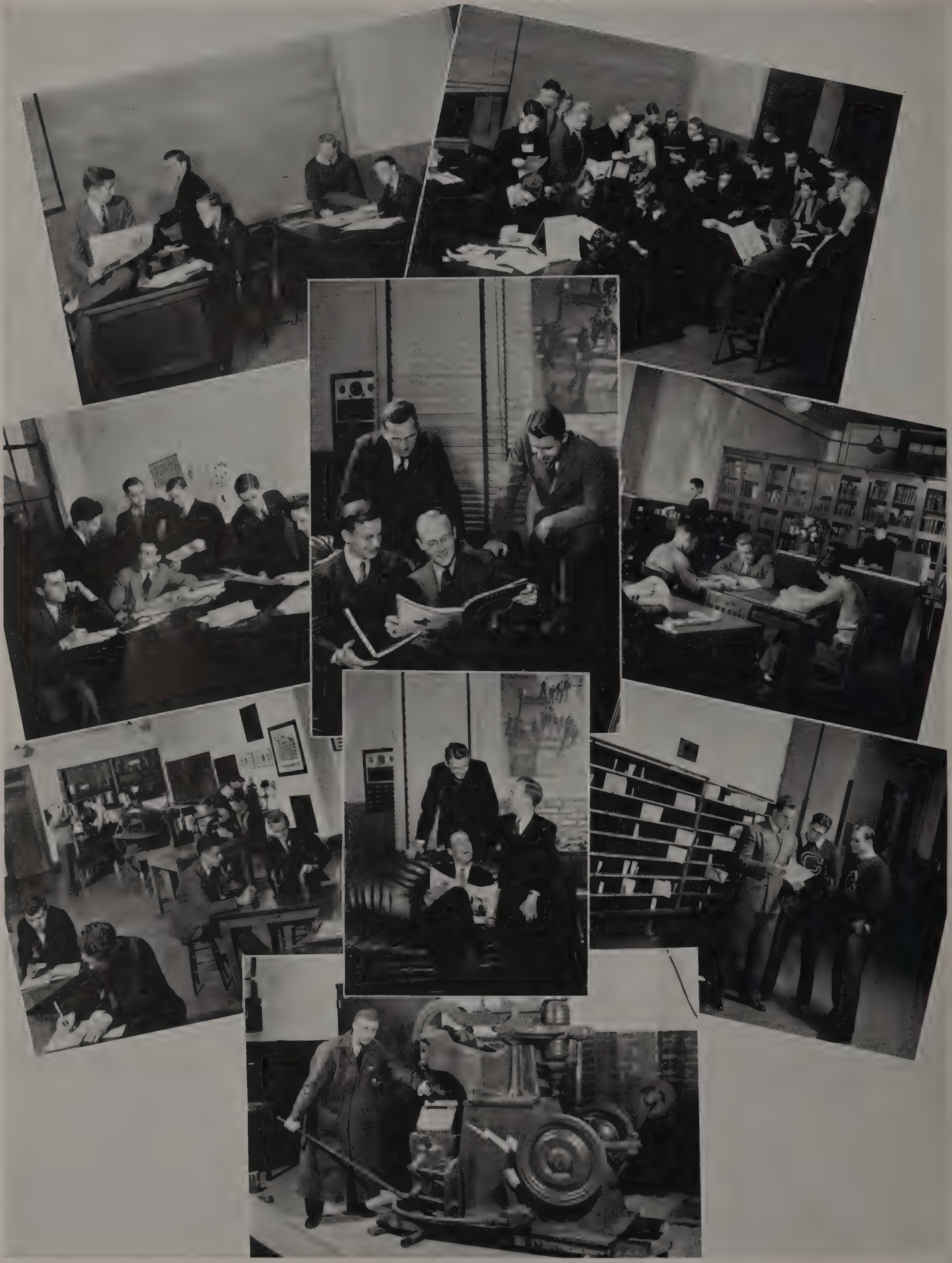
With a roar that was to be heard echoing throughout the hills, the Case campers swept into the camp grounds with the bus windows filled with faces eager to get a view of this new camp about which they had heard so much. Soon their tedius duties were to begin.

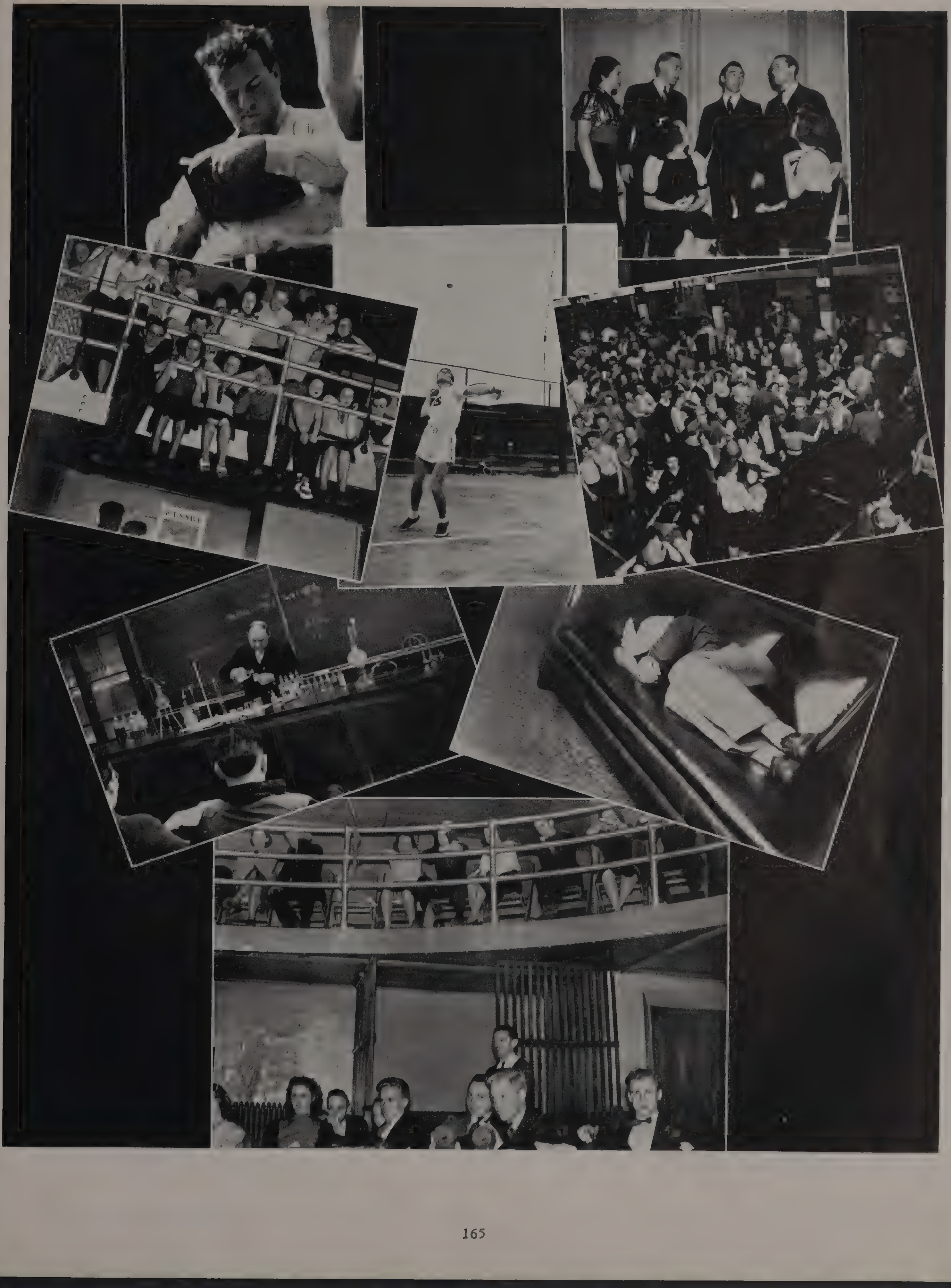
Though there were many unpopular duties to perform, such things as "bull sessions", group singing, swing or symphonic music, and dancing the last week end were to be enjoyed by the fellows. Besides the nightly trips to Loudonville, Ashland, and Mt. Vernon, such things as placing a "41" flag on a hundred foot fire tower kept the detective department of the faculty busy.

The breaking up of camp was symbolized by the flag on the fire tower being removed and used to head the procession back to Cleveland.

INTERFRATERNITY DANCES

RALLIES





ACKNOWLEDGMENTS

I would like at this point to take the opportunity to thank publicly the several persons who have been of invaluable service in the editing of this book.

First and foremost, I want to express my deep appreciation of the fine spirit of cooperation and the willingness to work shown by the members of the staff. Without this assistance, the attempt to incorporate within this book some new ideas, which entailed much extra labor, could never have been accomplished.

Secondly, I wish to thank Mr. J. J. Moore, Mr. C. F. Chapman, and Professor G. H. Mills for their wise counsel and suggestions which only men of experience could have given. The contacts made and suggested by these men, outside of Case, have made possible the realization, at little or no expense, of several ideas which otherwise might have been too costly for the limited budget of the Differential.

And lastly, I would like to acknowledge the photographic work of various companies, professional photographers, and students which has been used in addition to that of the official photographer, Clifford Norton:

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Frosh: "Are you coming to the party tonight, Joe?"

Soph: "No, I guess not. I have a case of arthritis."

Frosh: "Bring it along. Those guys will drink anything."

Hoffman: "Would you rather be called ducky or catty?"

Hamilton: "Ducky, of course. Why do you ask?"

Hoffman: "Well ducks have big feet and cats have soft fur."

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and little parties
are all
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For formal entertaining, Clevelanders agree there is nothing in the Middle West to quite equal the famous Cleveland Room, with charming music every evening.

For little parties, with tables for two or twenty, dancers come to the gay and colorful Little Cafe. Dancing every weekday evening at dinner, every Thursday, Friday and Saturday at Supper—from 10:30, and every Saturday at luncheon.

HOTEL CLEVELAND *Cleveland*

So, whether your party is large or small, its success (and your good time) are sure if you come to Hotel Cleveland. May we help you plan it?

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An oboe is an American tramp.

To germinate is to become a naturalized German.

An antidote is a funny story that you have heard before.

Ambiguity means having two wives living at the same time.

An epistle is the wife of an apostle.

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